ZION

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4 Way Flat Telephone Cable

Application:

Dispersion network in indoor installations of premises.
It allows the connection between the terminal access base and the terminal.

Product Description:

Way or Core	4
Conductor	7×0.12±0.005mm / 28 AWG Stranded OFC
Insulation	0.96±0.02mm HDPE (High Density Polyethylene)
Color of insulation	Black / Red / Green / Yellow
Jacket	2.5 x 5.0 ± 0.1mm PVC
Min. thickness of Jacket	0.5mm
Color of Jacket	White / Ivory / Black

Characteristics:

Resistance at 20℃	237 Ω/km
Capacity	60 pF/m
Max. Voltage	AC 49V
Operating temperature	-15℃ ~ +70℃

Packing:

100M	Coil
500M	Wooden Spool

6 Way Flat Telephone Cable

Application:

Dispersion network in indoor installations of premises.
It allows the connection between the terminal access base and the terminal.

Product Description:

Way or Core	6
Conductor	7×0.12±0.005mm / 28 AWG Stranded OFC
Insulation	0.96±0.02mm HDPE (High Density Polyethylene)
Color of insulation	Black / Red / Green / Yellow / Blue / White
Jacket	2.5 x 7.0 ± 0.1mm PVC
Min. thickness of Jacket	0.5mm
Color of Jacket	White / Ivory / Black

Characteristics:

Resistance at 20℃	237 Ω/km
Capacity	60 pF/m
Max. Voltage	AC 49V
Operating temperature	-15℃ ~ +70℃

Packing:

100M	Coil
500M	Wooden Spool

8 Way Flat Telephone Cable

Application:

Dispersion network in indoor installations of premises.
It allows the connection between the terminal access base and the terminal.

Product Description:

Way or Core	8
Conductor	7×0.12±0.005mm / 28 AWG Stranded OFC
Insulation	0.96±0.02mm HDPE (High Density Polyethylene)
Color of insulation	Black / Red / Green / Yellow / Blue / White / Brown / Orange
Jacket	2.5 x 8.8 ± 0.1mm PVC
Min. thickness of Jacket	0.5mm
Color of Jacket	White / Ivory / Black

Characteristics:

Resistance at 20℃	237 Ω/km
Capacity	60 pF/m
Max. Voltage	AC 49V
Operating temperature	-15℃ ~ +70℃

Packing:

100M	Coil
500M	Wooden Spool

CSC162 -PVC

Application:

Deliver good levels of performance in most multi-room and home cinema installations.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Number of Strands	41/0.2mm
Insulation Material	Polyvinyl Chloride (PVC)
Number of Cores	2
Sheath Material	Polyvinyl Chloride (PVC)
Sheath Colour	Pink
Core Identification	Red, Black

Electrical Characteristics:

Nominal Conductor Resistance	< 13.7 Ω/km
Insulation Resistance	> 200 MΩ.M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

Physical Characteristics:

Overall Diameter	6.1 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20℃ to +70℃

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CSC162 -LSHF

Application:

Deliver good levels of performance in most multi-room and home cinema installations.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Number of Strands	41/0.2mm
Insulation Material	Low Smoke Halogen Free (LSHF)
Number of Cores	2
Sheath Material	Low Smoke Halogen Free (LSHF)
Sheath Colour	Violet
Core Identification	Red, Black

Electrical Characteristics:

Nominal Conductor Resistance	< 13.7 Ω/km
Insulation Resistance	> 200 MΩ.M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

Physical Characteristics:

Overall Diameter	6.1 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CSC162 -LSZH

Application:

Deliver good levels of performance in most multi-room and home cinema installations.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Number of Strands	41/0.2mm
Insulation Material	Low Smoke Zero Halogen (LSZH)
Number of Cores	2
Sheath Material	Low Smoke Zero Halogen (LSZH)
Sheath Colour	Violet
Core Identification	Red, Black

Electrical Characteristics:

Nominal Conductor Resistance	< 13.7 Ω/km
Insulation Resistance	> 200 MΩ.M
Voltage Rating	450/750V AppliestoCEmarkedFS C/T ru brandedstockonly
Test Voltage	2.5kV for 5 Minutes

Physical Characteristics:

Overall Diameter	6.1 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	0°C to +70°C
Weight	35 kg/km

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CSC142 -LSHF

Application:

Deliver good levels of performance in most multi-room and home cinema installations.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Number of Strands	105/0.16mm
Insulation Material	Low Smoke Halogen Free (LSHF)
Number of Cores	2
Sheath Material	Low Smoke Halogen Free (LSHF)
Sheath Colour	Violet
Core Identification	Red, Black

Electrical Characteristics:

Nominal Conductor Resistance	< 8.5 Ω/km
Insulation Resistance	> 200 MΩ.M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

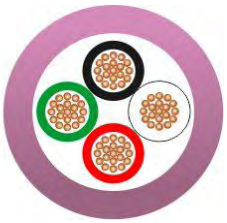
Physical Characteristics:

Overall Diameter	7.1 ± 0.3mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CSC144 -PVC



Application:

Deliver good levels of performance in most multi-room and home cinema installations.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Number of Strands	105/0.16mm
Insulation Material	Polyvinyl Chloride (PVC)
Number of Cores	4
Sheath Material	Polyvinyl Chloride (PVC)
Sheath Colour	Violet
Core Identification	Red, Black, White, Green

Electrical Characteristics:

Nominal Conductor Resistance	< 8.5 Ω /km
Insulation Resistance	> 200 M Ω .M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

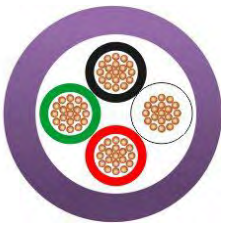
Physical Characteristics:

Overall Diameter	9.1 ± 0.3mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CSC144 -LSHF



Application:

Deliver good levels of performance in most multi-room and home cinema installations.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Number of Strands	105/0.16mm
Insulation Material	Low Smoke Halogen Free (LSHF)
Number of Cores	Eca (EN50575:2014+A1:2016)
Sheath Material	Low Smoke Halogen Free (LSHF)
Sheath Colour	Violet
Core Identification	Red, Black, White, Green

Electrical Characteristics:

Nominal Conductor Resistance	< 8.5 Ω/km
Insulation Resistance	> 200 MΩ.M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

Physical Characteristics:

Overall Diameter	9.1 ± 0.3mm
Min. Bend Radius	15 x OD
Temperature Rating	-20℃ to +70℃

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CSC122 -LSHF

Application:

Deliver good levels of performance in most multi-room and home cinema installations.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Number of Strands	65/0.25mm
Insulation Material	Low Smoke Halogen Free (LSHF)
Number of Cores	2
Sheath Material	Low Smoke Halogen Free (LSHF)
Sheath Colour	Violet
Core Identification	Red, Black

Electrical Characteristics:

Nominal Conductor Resistance	< 6.2 Ω /km
Insulation Resistance	> 200 M Ω .M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

Physical Characteristics:

Overall Diameter	8.8 ± 0.3mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CSC124 -LSHF

Application:

Deliver good levels of performance in most multi-room and home cinema installations.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Number of Strands	65/0.25mm
Insulation Material	Low Smoke Halogen Free (LSHF)
Number of Cores	4
Sheath Material	Low Smoke Halogen Free (LSHF)
Sheath Colour	Violet
Core Identification	Red, Black, White, Green

Electrical Characteristics:

Nominal Conductor Resistance	< 6.2 Ω /km
Insulation Resistance	> 200 M Ω .M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

Physical Characteristics:

Overall Diameter	10.5 ± 0.3mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CFSTP241 -PVC

Application:

Fixed wiring of digital equipment and patch boards for professional audio applications.

Product Description:

Conductor Material	Tinned Copper
Number of Strands	7/0.2mm, 24awg
Insulation Material	Foamed Polyethylene (FPE)
Number of Pairs	1
DrainWire	Tinned Copper, 7/0.2mm
Overall Screen	Bonded Aluminium Foil (100% Coverage)
Outer Sheath Material	Polyvinyl Chloride (PVC)
Outer Sheath Colour	Black
Core Identification	Red, Black

Electrical Characteristics:

Nominal Conductor Resistance	< 86.2 Ω/km
Insulation Resistance	> 200 MΩ.M
Impedance	83 Ohm ± 30
Capacitance Core to Core	45 pF/m ± 20
Core to Screen	86 pF/m ± 25
Voltage Rating	300/500V
Test Voltage	2kV for 5 minutes

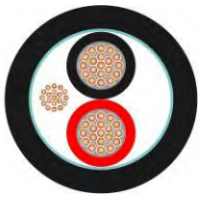
Physical Characteristics:

Overall Diameter	4.0 ± 0.2mm
Min. Bend Radius	10 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)

CFSTP241 -LSHF



Application:

Fixed wiring of digital equipment and patch boards for professional audio applications.

Product Description:

Conductor Material	Tinned Copper
Number of Strands	7/0.2mm, 24awg
Insulation Material	Foamed Polyethylene (FPE)
Number of Pairs	1
DrainWire	Tinned Copper, 7/0.2mm
Overall Screen	Bonded Aluminium Foil (100% Coverage)
Outer Sheath Material	Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	Black
Core Identification	Red, Black

Electrical Characteristics:

Nominal Conductor Resistance	< 86.2 Ω/km
Insulation Resistance	> 200 MΩ.M
Impedance	83 Ohm ± 30
Capacitance Core to Core	45 pF/m ± 20
Core to Screen	86 pF/m ± 25
Voltage Rating	300/500V
Test Voltage	2kV for 5 minutes

Physical Characteristics:

Overall Diameter	4.0 ± 0.2mm
Min. Bend Radius	10 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CFSTP241 -LSZH

Application:

Fixed wiring of digital equipment and patch boards for professional audio applications.

Product Description:

Conductor Material	Tinned Copper
Number of Strands	7/0.2mm, 24awg
Insulation Material	Foamed Polyethylene (FPE)
Number of Cores	1
DrainWire	Tinned Copper, 7/0.2mm
Overall Screen	Bonded Aluminium Foil (100% Coverage)
Outer Sheath Material	Low Smoke Zero Halogen (LSZH)
Outer Sheath Colour	Black
Core Identification	Red, Black

Electrical Characteristics:

Nominal Conductor Resistance	< 86.2 Ω/km
Insulation Resistance	> 200 MΩ.M
Impedance	83 Ohm ± 30
Capacitance Core to Core	45 pF/m ± 20
Core to Screen	86 pF/m ± 25
Voltage Rating	300/500V
Test Voltage	2kV for 5 minutes

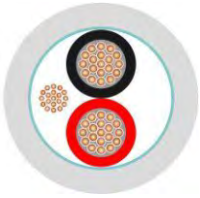
Physical Characteristics:

Overall Diameter	4.0 ± 0.2mm
Min. Bend Radius	10 x OD
Temperature Rating	0°C to +70°C
Weight	21 kg/km

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CFSTP221 -LSF



Application:

Fixed wiring of digital equipment and patch boards for professional audio applications.

Product Description:

Conductor Material	Tinned Copper, 22(7)awg
Pair Insulation Material	Polypropylene (PP)
Number of Pairs	1
Overall Screen	Overall Aluminium Foil (100% Coverage)
DrainWire	Tinned Copper, 22(7)awg
Outer Sheath Material	Low Smoke and Fume (LSF)
Outer Sheath Colour	Black
Core Identification	8451

Electrical Characteristics:

Nominal Conductor Resistance		< 55.2 Ω/km
Characteristic Impedance		45 Ω
Capacitance	Core to Core	112 pF/m ± 30
	Core to Screen	220 pF/m ± 40
Nominal Velocity of Propagation		66%
Voltage Rating		450/750V
Test Voltage		2.5kV for 5 minutes

Physical Characteristics:

Overall Diameter	3.5 ± 0.2mm
Min. Bend Radius	10 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CFSTP221 -LSHF

Application:

Fixed wiring of digital equipment and patch boards for professional audio applications.

Product Description:

Conductor Material	Tinned Copper, 22(7)awg
Pair Insulation Material	Polyethylene (PE)
Number of Pairs	1
Overall Screen	Aluminium Foil (100% Coverage)
DrainWire	Tinned Copper, 22(7)awg
Outer Sheath Material	Low Smoke and Fume (LSF)
Outer Sheath Colour	Grey
Core Identification	Clear/Black
Alternative to Belden	8762

Electrical Characteristics:

Nominal Conductor Resistance		< 33.7 Ω/km
Capacitance	Core to Core	75 pF/m± 25
	Core to Screen	135 pF/m ± 25
Impedance		78 Ω ± 25
Voltage Rating		450/750V AppliestoCEmarkedFS C brandedstockonly
Test Voltage		2.5kV for 5 minutes

Physical Characteristics:

Overall Diameter	5.2 ± 0.2mm
Min. Bend Radius	10 x OD
Temperature Rating	-20°C to +70°C
Weight	35 kg/km

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CFSTP201 -LSF

Application:

Fixed wiring of digital equipment and patch boards for professional audio applications.

Product Description:

Conductor Material	Tinned Copper, 22(7)awg
Pair Insulation Material	Polyethylene (PE)
Number of Pairs	1
Overall Screen	Aluminium Foil (100% Coverage)
DrainWire	Tinned Copper, 22(7)awg
Outer Sheath Material	Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	Grey
Core Identification	Clear/Black
Alternative to Belden	8761

Electrical Characteristics:

Nominal Conductor Resistance		< 55.2 Ω/km
Capacitance	Core to Core	70 pF/m± 25
	Core to Screen	135 pF/m ± 30
Impedance		75 Ω ± 25
Voltage Rating		450/750V
Test Voltage		2.5kV for 5 minutes

Physical Characteristics:

Overall Diameter	4.5 ± 0.2mm
Min. Bend Radius	10 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CFSTP201 -LSF

Application:

Fixed wiring of digital equipment and patch boards for professional audio applications.

Product Description:

Conductor Material	Tinned Copper, 22(7)awg
Pair Insulation Material	Polyethylene (PE)
Number of Pairs	1
Overall Screen	Aluminium Foil (100% Coverage)
DrainWire	Tinned Copper, 22(7)awg
Outer Sheath Material	Low Smoke and Fume (LSF)
Outer Sheath Colour	Grey
Core Identification	Clear/Black

Electrical Characteristics:

Nominal Conductor Resistance		< 33.7 Ω/km
Capacitance	Core to Core	75 pF/m± 25
	Core to Screen	135 pF/m ± 25
Impedance		78 Ω ± 25
Voltage Rating		450/750V
Test Voltage		2.5kV for 5 minutes

Physical Characteristics:

Overall Diameter	5.2 ± 0.2mm
Min. Bend Radius	10 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CFSTP201 -LSHF

Application:

Fixed wiring of digital equipment and patch boards for professional audio applications.

Product Description:

Conductor Material	Tinned Copper, 20(7)awg
Pair Insulation Material	Polyethylene (PE)
Number of Pairs	1
Overall Screen	Aluminium Foil (100% Coverage)
DrainWire	Tinned Copper, 20(7)awg
Outer Sheath Material	Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	Grey
Core Identification	Clear/Black

Electrical Characteristics:

Nominal Conductor Resistance		< 33.7 Ω/km
Capacitance	Core to Core	75 pF/m± 25
	Core to Screen	135 pF/m ± 30
Impedance		78 Ω ± 25
Voltage Rating		450/750V
Test Voltage		2.5kV for 5 minutes

Physical Characteristics:

Overall Diameter	5.2 ± 0.2mm
Min. Bend Radius	10 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CFSTP181 -LSF

Application:

Fixed wiring of digital equipment and patch boards for professional audio applications.

Product Description:

Conductor Material	Tinned Copper, 18(16)awg
Pair Insulation Material	Polyethylene (PE)
Number of Pairs	1
Overall Screen	Aluminium Foil (100% Coverage)
DrainWire	Tinned Copper, 20(7)awg
Outer Sheath Material	Low Smoke and Fume (LSF)
Outer Sheath Colour	Grey
Core Identification	Clear/Black

Electrical Characteristics:

Nominal Conductor Resistance		< 23.8 Ω/km
Capacitance	Core to Core	78 pF/m± 30
	Core to Screen	152 pF/m ± 50
Impedance		58 ± 25
Voltage Rating		450/750V
Test Voltage		2.5kV for 5 minutes

Physical Characteristics:

Overall Diameter	5.6 ± 0.2mm
Min. Bend Radius	10 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CFSTP181 -LSHF

Application:

Fixed wiring of digital equipment and patch boards for professional audio applications.

Product Description:

Conductor Material	Tinned Copper, 18(16)awg
Pair Insulation Material	Polyethylene (PE)
Number of Pairs	1
Overall Screen	Aluminium Foil (100% Coverage)
DrainWire	Tinned Copper, 20(7)awg
Outer Sheath Material	Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	Grey
Core Identification	Clear/Black
Alternative to Belden	8760

Electrical Characteristics:

Nominal Conductor Resistance		< 23.8 Ω/km
Capacitance	Core to Core	78 pF/m± 25
	Core to Screen	152 pF/m ± 30
Impedance		58 Ω ± 25
Voltage Rating		450/750V
Test Voltage		2.5kV for 5 minutes

Physical Characteristics:

Overall Diameter	5.6 ± 0.2mm
Min. Bend Radius	10 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CFSTP161 -LSF

Application:

Fixed wiring of digital equipment and patch boards for professional audio applications.

Product Description:

Conductor Material	Tinned Copper, 16(19)awg
Pair Insulation Material	Polyethylene (PE)
Number of Pairs	1
Overall Screen	Aluminium Foil (100% Coverage)
DrainWire	Tinned Copper, 18(16)awg
Outer Sheath Material	Low Smoke and Fume (LSF)
Outer Sheath Colour	Grey
Core Identification	Clear/Black

Electrical Characteristics:

Nominal Conductor Resistance		< 16.8 Ω/km
Capacitance	Core to Core	65 pF/m± 30
	Core to Screen	127 pF/m ± 40
Impedance		78 ± 30
Voltage Rating		450/750V
Test Voltage		2.5kV for 5 minutes

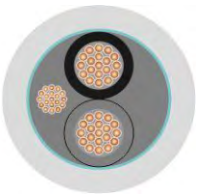
Physical Characteristics:

Overall Diameter	7.9 ± 0.3mm
Min. Bend Radius	10 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CFSTP161 -LSHF



Application:

Fixed wiring of digital equipment and patch boards for professional audio applications.

Product Description:

Conductor Material	Tinned Copper, 16(19)awg
Pair Insulation Material	Polyethylene (PE)
Number of Pairs	1
Overall Screen	Aluminium Foil (100% Coverage)
DrainWire	Tinned Copper, 18(16)awg
Outer Sheath Material	Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	Grey
Core Identification	Clear/Black

Electrical Characteristics:

Nominal Conductor Resistance		< 16.8 Ω/km
Capacitance	Core to Core	65 pF/m± 30
	Core to Screen	127 pF/m ± 40
Impedance		78 ± 30
Voltage Rating		450/750V
Test Voltage		2.5kV for 5 minutes

Physical Characteristics:

Overall Diameter	7.9 ± 0.3mm
Min. Bend Radius	10 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CFSTP141 -LSF

Application:

Fixed wiring of digital equipment and patch boards for professional audio applications.

Product Description:

Conductor Material	Tinned Copper, 14(19)awg
Pair Insulation Material	Polyethylene (PE)
Number of Pairs	1
Overall Screen	Aluminium Foil (100% Coverage)
DrainWire	Tinned Copper, 16(26)awg
Outer Sheath Material	Low Smoke and Fume (LSF)
Outer Sheath Colour	Grey
Core Identification	Clear/Black

Electrical Characteristics:

Nominal Conductor Resistance		< 9.8 Ω/km
Capacitance	Core to Core	79 pF/m± 25
	Core to Screen	137 pF/m ± 40
Impedance		70 Ω
Voltage Rating		450/750V
Test Voltage		2.5kV for 5 minutes

Physical Characteristics:

Overall Diameter	9.0 ± 0.3mm
Min. Bend Radius	10 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

CFSTP141 -LSHF

Application:

Fixed wiring of digital equipment and patch boards for professional audio applications.

Product Description:

Conductor Material	Tinned Copper, 14(19)awg
Pair Insulation Material	Polyethylene (PE)
Number of Pairs	1
Overall Screen	Aluminium Foil (100% Coverage)
DrainWire	Tinned Copper, 16(26)awg
Outer Sheath Material	Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	Grey
Core Identification	Clear/Black

Electrical Characteristics:

Nominal Conductor Resistance		< 9.8 Ω/km
Capacitance	Core to Core	79 pF/m± 25
	Core to Screen	137 pF/m ± 40
Impedance		70 Ω
Voltage Rating		450/750V
Test Voltage		2.5kV for 5 minutes

Physical Characteristics:

Overall Diameter	9.0 ± 0.3mm
Min. Bend Radius	10 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCSC2 ×1.5 -PVC

Application:

These are used for linking speakers designed for fixed installation in public buildings where PVC cables are specified.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Conductor Size	1.5mm² (30/0.25mm)
Insulation Material	Polyvinyl Chloride (PVC)
Number of Cores	2
Sheath Material	Polyvinyl Chloride (PVC)
Sheath Colour	Black
Core Identification	Red, Blue

Electrical Characteristics:

Nominal Conductor Resistance	< 12.5 Ω/km
Insulation Resistance	> 200 MΩ.M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

Physical Characteristics:

Overall Diameter	7.0 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCSC2 ×1.5 -LSHF

Application:

These are used for linking speakers designed for fixed installation in public buildings where LSZH cables are specified.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Conductor Size	1.5mm² (30/0.25mm)
Insulation Material	Low Smoke Halogen Free (LSHF)
Number of Cores	2
Sheath Material	Low Smoke Halogen Free (LSHF)
Sheath Colour	Black
Core Identification	Red, Blue

Electrical Characteristics:

Nominal Conductor Resistance	< 12.5 Ω/km
Insulation Resistance	> 200 MΩ.M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

Physical Characteristics:

Overall Diameter	7.0 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCSC4 ×1.5 -PVC

Application:

These are used for linking speakers designed for fixed installation in public buildings where PVC cables are specified.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Conductor Size	1.5mm² (30/0.25mm)
Insulation Material	Polyvinyl Chloride (PVC)
Number of Cores	4
Sheath Material	Polyvinyl Chloride (PVC)
Sheath Colour	Black
Core Identification	Red, Blue

Electrical Characteristics:

Nominal Conductor Resistance	< 12.5 Ω/km
Insulation Resistance	> 200 MΩ.M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

Physical Characteristics:

Overall Diameter	8.0 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCSC4 ×1.5 -LSHF

Application:

These are used for linking speakers designed for fixed installation in public buildings where LSZH cables are specified.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Conductor Size	1.5mm² (30/0.25mm)
Insulation Material	Low Smoke Halogen Free (LSHF)
Number of Cores	4
Sheath Material	Low Smoke Halogen Free (LSHF)
Sheath Colour	Black
Core Identification	Red, Blue

Electrical Characteristics:

Nominal Conductor Resistance	< 12.5 Ω/km
Insulation Resistance	> 200 MΩ.M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

Physical Characteristics:

Overall Diameter	8.0 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCSC2 ×2.5 -PVC

Application:

These are used for linking speakers designed for fixed installation in public buildings where PVC cables are specified.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Conductor Size	2.5mm² (50/0.25mm)
Insulation Material	Polyvinyl Chloride (PVC)
Number of Cores	2
Sheath Material	Polyvinyl Chloride (PVC)
Sheath Colour	Black
Core Identification	Red, Blue

Electrical Characteristics:

Nominal Conductor Resistance	< 8.0 Ω /km
Insulation Resistance	> 200 MΩ .M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

Physical Characteristics:

Overall Diameter	8.0 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

S	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCSC2 ×2.5 -LSHF

Application:

These are used for linking speakers designed for fixed installation in public buildings where LSZH cables are specified.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Conductor Size	2.5mm² (50/0.25mm)
Insulation Material	Low Smoke Halogen Free (LSHF)
Number of Cores	2
Sheath Material	Low Smoke Halogen Free (LSHF)
Sheath Colour	Black
Core Identification	Red, Blue

Electrical Characteristics:

Nominal Conductor Resistance	< 8.0 Ω /km
Insulation Resistance	> 200 MΩ .M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

Physical Characteristics:

Overall Diameter	8.0 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCSC4 ×2.5 -PVC

Application:

These are used for linking speakers designed for fixed installation in public buildings where PVC cables are specified.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Conductor Size	2.5mm² (50/0.25mm)
Insulation Material	Polyvinyl Chloride (PVC)
Number of Cores	4
Sheath Material	Polyvinyl Chloride (PVC)
Sheath Colour	Black
Core Identification	Red, Blue

Electrical Characteristics:

Nominal Conductor Resistance	< 8.0 Ω /km
Insulation Resistance	> 200 M Ω .M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

Physical Characteristics:

Overall Diameter	10.0 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCSC4 ×2.5 -LSHF

Application:

These are used for linking speakers designed for fixed installation in public buildings where LSZH cables are specified.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Conductor Size	2.5mm² (50/0.25mm)
Insulation Material	Low Smoke Halogen Free (LSHF)
Number of Cores	4
Sheath Material	Low Smoke Halogen Free (LSHF)
Sheath Colour	Black
Core Identification	Red, Blue

Electrical Characteristics:

Nominal Conductor Resistance	< 8.0 Ω /km
Insulation Resistance	> 200 MΩ .M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

Physical Characteristics:

Overall Diameter	10.0 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCSC2 ×4.0-PVC

Application:

These are used for linking speakers designed for fixed installation in public buildings where PVC cables are specified.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Conductor Size	4.0mm² (56/0.30mm)
Insulation Material	Polyvinyl Chloride (PVC)
Number of Cores	2
Sheath Material	Polyvinyl Chloride (PVC)
Sheath Colour	Black
Core Identification	Red, Blue

Electrical Characteristics:

Nominal Conductor Resistance	< 5.0 Ω /km
Insulation Resistance	> 200 MΩ .M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

Physical Characteristics:

Overall Diameter	10.5 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCSC2 ×4.0 -LSHF

Application:

These are used for linking speakers designed for fixed installation in public buildings where LSZH cables are specified.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Conductor Size	4.0mm² (56/0.30mm)
Insulation Material	Low Smoke Halogen Free (LSHF)
Number of Cores	4
Sheath Material	Low Smoke Halogen Free (LSHF)
Sheath Colour	Black
Core Identification	Red, Blue

Electrical Characteristics:

Nominal Conductor Resistance	< 5.0 Ω /km
Insulation Resistance	> 200 M Ω .M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

Physical Characteristics:

Overall Diameter	10.5 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCSC4 ×4.0-PVC

Application:

These are used for linking speakers designed for fixed installation in public buildings where PVC cables are specified.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Conductor Size	4.0mm² (56/0.30mm)
Insulation Material	Polyvinyl Chloride (PVC)
Number of Cores	4
Sheath Material	Polyvinyl Chloride (PVC)
Sheath Colour	Black
Core Identification	Red, Blue

Electrical Characteristics:

Nominal Conductor Resistance	< 5.0 Ω /km
Insulation Resistance	> 200 M Ω .M
Voltage Rating	450/750V
Test Voltage	2.5kV for 5 Minutes

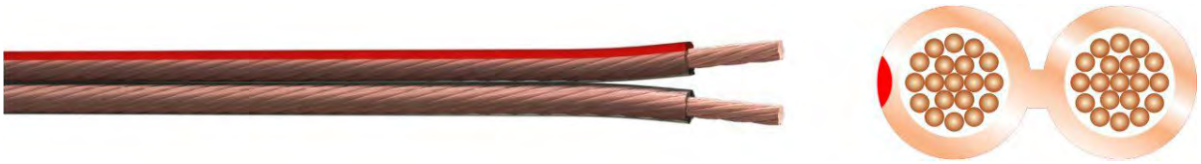
Physical Characteristics:

Overall Diameter	11.5 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

PSC2 ×0.75 -PVC



Application:

This construction method offers optimum flexibility.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Number of Strands	24/0.2mm
Insulation Material	Polyvinyl Chloride (PVC)
Insulation Colour :	Clear with a Red polarity stripe

Electrical Characteristics:

Nominal Conductor Resistance	< 26.0 Ω/km
Insulation Resistance	> 100 MΩ.M
Capacitance	82 pF/m ± 15
Voltage Rating	300/500V
Test Voltage	2.5kV for 5 Minutes

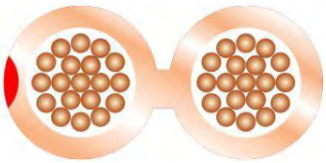
Physical Characteristics:

Overall Diameter	2.5 x 5.6 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)

PSC2 ×1.5 -PVC



Application:

This construction method offers optimum flexibility.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Number of Strands	189/0.1mm
Insulation Material	Polyvinyl Chloride (PVC)
Insulation Colour :	Clear with a Red polarity stripe

Electrical Characteristics:

Nominal Conductor Resistance	< 13.3 Ω/km
Insulation Resistance	> 200 MΩ.M
Capacitance	67 pF/m ± 15
Voltage Rating	300/500V
Test Voltage	2.5kV for 5 Minutes

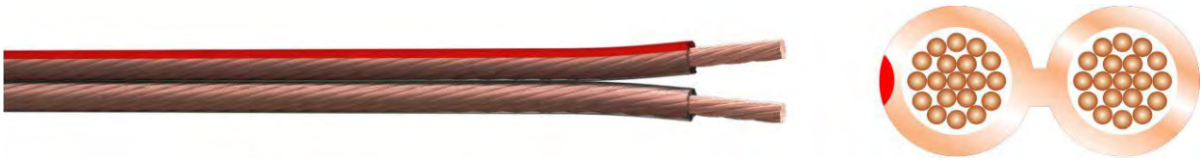
Physical Characteristics:

Overall Diameter	3.0x6.2 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

PSC2 ×2.5 -PVC



Application:

This construction method offers optimum flexibility.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Number of Strands	322/0.1mm
Insulation Material	Polyvinyl Chloride (PVC)
Insulation Colour :	Clear with a Red polarity stripe

Electrical Characteristics:

Nominal Conductor Resistance	< 8.0 Ω /km
Insulation Resistance	> 200 MΩ .M
Capacitance	57 pF/m ± 12
Voltage Rating	300/500V
Test Voltage	2.5kV for 5 Minutes

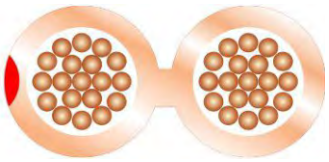
Physical Characteristics:

Overall Diameter	3.6 x 7.4 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)

PSC2 ×4.0 -PVC



Application:

This construction method offers optimum flexibility.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Number of Strands	511/0.1mm
Insulation Material	Polyvinyl Chloride (PVC)
Insulation Colour :	Clear with a Red polarity stripe

Electrical Characteristics:

Nominal Conductor Resistance	< 4.95 Ω/km
Insulation Resistance	> 200 MΩ.M
Capacitance	54 pF/m ± 12
Voltage Rating	300/500V
Test Voltage	2.5kV for 5 Minutes

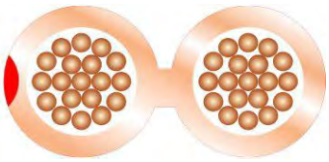
Physical Characteristics:

Overall Diameter	4.5 x 9.7 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

PSC2 ×6.0 -PVC



Application:

This construction method offers optimum flexibility.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Number of Strands	777/0.1mm
Insulation Material	Polyvinyl Chloride (PVC)
Insulation Colour :	Clear with a Red polarity stripe

Electrical Characteristics:

Nominal Conductor Resistance	< 3.3 Ω /km
Insulation Resistance	> 200 MΩ .M
Capacitance	58 pF/m ± 12
Voltage Rating	300/500V
Test Voltage	2.5kV for 5 Minutes

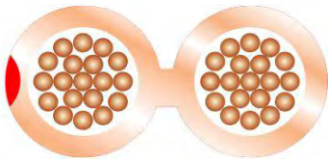
Physical Characteristics:

Overall Diameter	6.1 x 12.5 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)

PSC2 ×10.0 -PVC



Application:

This construction method offers optimum flexibility.

Product Description:

Conductor Material	99.999% Oxygen Free Bare Copper
Number of Strands	1260/0.1mm
Insulation Material	Polyvinyl Chloride (PVC)
Insulation Colour :	Clear with a Red polarity stripe

Electrical Characteristics:

Nominal Conductor Resistance	< 1.91 Ω/km
Insulation Resistance	> 200 MΩ.M
Capacitance	62 pF/m ± 12
Voltage Rating	300/500V
Test Voltage	2.5kV for 5 Minutes

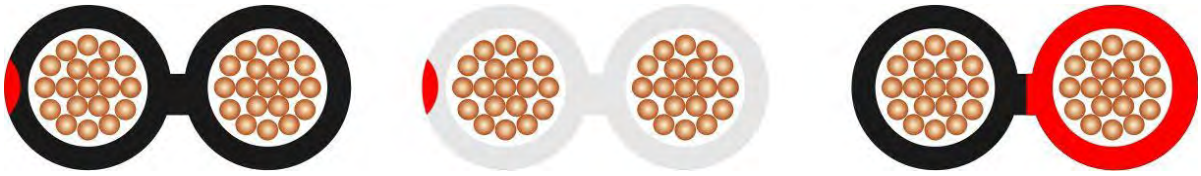
Physical Characteristics:

Overall Diameter	7.0 x 15.0 ± 0.2mm
Min. Bend Radius	15 x OD
Temperature Rating	-20°C to +70°C

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)

PSC**022 -250 -PVC



Application:

This construction method offers optimum flexibility.

Application:

Black or White PVC with polarising stripe, fine stranded conductorfor extra flexibility.

Product Description:

Conductor Material	Stranded Oxygen Free Bare copper
No. Of Cores	2 (Figure 8)
Outer Jacket	Polyvinylchloride (PVC)
Color of Jacket	Customized (Red/Black, White with red stripe, Black with red stripe)

Thermal Characteristics:

Temperature Range	static -30˚C up to +70˚C
	mobile -10˚C up to +70˚C

Part Number	Formation Cross Section (Stranding)	Ø - Outer Jacket (mm)	Current Rating (A) (max.)	Conductor Resistance (Ω /km)	Colour
PSCGBS022-PVC	0.22mm2 (7/0.2mm)	1.3 x 3.0	1	84	grey with black polarity stripe
PSCBWS022-PVC	0.22mm2 (7/0.2mm)	1.3 x 3.0	1	84	black with white polarity stripe
PSCWB022-PVC	0.22mm2 (7/0.2mm)	1.3 x 3.0	1	84	white with black polarity stripe
PSCGBS040-PVC	0.40 mm2 (13/0.2mm)	2.0 x 4.3	2.5	41	grey with black polarity stripe
PSCBWS040-PVC	0.40 mm2 (13/0.2mm)	2.0 x 4.3	2.5	41	black with white polarity stripe
PSCWB040-PVC	0.40 mm2 (13/0.2mm)	2.0 x 4.3	2.5	41	white with black polarity stripe
PSCGBS081-PVC	0.81 mm2 (26/0.2mm)	2.5 x 5.0	6	23	grey with black polarity stripe
PSCWB081-PVC	0.81 mm2 (26/0.2mm)	2.5 x 5.0	6	23	white with black polarity stripe
PSCBWS132-PVC	1.32 mm2 (42/0.2mm)	2.8 x 5.5	15	13.17	black with white polarity stripe
PSCWBS132-PVC	1.32 mm2 (42/0.2mm)	2.8 x 5.5	15	13.17	white with black polarity stripe
PSCBWS250-PVC	2.50 mm2 (79/0.2mm)	3.5 x 7.5	60	7.98	black with white polarity stripe
PSCWBS250-PVC	2.50 mm2 (79/0.2mm)	3.5 x 7.5	60	7.98	white with black polarity stripe
...	...	...	...	...	...

MCC1

Construction :

2 x Cat 5E UTP

Conductor Material & Size	Bare Copper, 24(1)AWG
Insulation Material	HDPE
Number of Pairs	4
Pair Identification	White/Blue, Blue/White
	White/Orange, Orange/White
	White/Green, Green/White
	White/Brown, Brown/White
Sheath Material	PVC
Sheath Colour	1 x Red, 1 x Blue

2 x TV 100

Conductor Material	Bare Copper
Conductor Size	1.02mm
Insulation Material	FPE
Overall Screen 1	Bare Copper Foil
Overall Screen 2	Bare Copper Wire Braid, (≥ 55% Coverage)
Sheath Material	PVC
Sheath Colour	1 x Black, 1 xWhite

Overall Construction :

Sheath Material	Polyvinyl Chloride (PVC)
Sheath Colour	Pink +White Stripe

Electrical Characteristics:

Cat 5E UTP

Nominal Impedance	100 ± 15 Ω (1-100MHz)
Max. Conductor Resistance@ 20°c	≤ 9.50 Ω/100m
Max. Conductor Resistance Unbalanced	≤ 5.0 %
Mutual Capacitance	≤ 5.6 nF/100m
Capacitance Unbalanced to Earth	≤ 300 pF/ 100m
Max. Delay Skew	≤ 45 ns/ 100m
Voltage Rating	30 V
Test Voltage	2.5kV (AC)

2 x TV 100

Nominal Impedance	75 ± 3 Ω
Max. Conductor Resistance@ 20°c	≤ 23.5 Ω/km
Outer Conductor Resistance@ 20°c	≤ 15 Ω/km
Capacitance	53 ± 3 pF/m
NVP	83 %

TV 100 Electrical Performance

Attenuation				Return Loss	
Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	dB
5	1.6	860	19.5	30 – 470	≥ 23
50	4.6	1000	21.5	470 – 862	≥ 20
100	6.5	1750	29.0	862 - 2150	≥ 18
200	9.5	2150	32.5		
460	15.0				

Cat 5E UTP Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	155	200	300	350	MHz
Attenuation	2.0	4.10	6.5	8.2	9.30	11.7	17.0	22.0	26.6	30.7	38.7	41.4	dB
Return Loss	20.0	23.0	25.0	25.0	25.0	23.6	21.5	20.1	10.1	9.0	7.2	6.6	dB
NEXT	65.3	56.3	50.3	47.2	45.8	42.9	38.4	35.3	29.2	27.3	24.4	23.2	dB
PS NEXT	62.3	53.3	47.3	44.4	42.8	39.9	35.4	32.3	27.0	25.2	22.3	21.2	dB
ELFEXT	65.0	52.0	44.0	39.9	38.0	34.1	28.1	24.0	17.5	15.3	11.8	10.5	dB
PSELFEXT	61.0	49.0	41.0	36.9	35.0	31.1	25.1	21.0	11.8	9.6	6.1	4.7	dB

Physical Characteristics:

Overall Diameter	16.8 ± 1.0mm
Bend Radius	15 x OD
Temperature Rating	-10°C to 70°C
Weight	210 kg/km

Standards:

Cat 5E UTP PVC

Manufactured in Accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
Approval	HDBaseT

Overall Construction:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCC2

Construction :

1 x Lighting Control

Power Cores

Conductor Material	Tinned Copper, 18(7)AWG
Insulation Material	Polyvinyl Chloride (PVC)
Number of Cores	2
Core Colours	Red, Black

Data Pair

Conductor Material	Tinned Copper, 22(7)AWG
Insulation Material	Polyethylene (PE)
Number of Pairs	1
Overall Screen	Aluminium Foil (100% Coverage)
DrainWire	Tinned Copper, 24(7)AWG
Core Colours	Blue, White
Overall Sheath	Polyvinyl Chloride (PVC)
Sheath Colour	Grey

2 x Cat 5E UTP

Conductor Material & Size	Bare Copper, 24(1)AWG
Insulation Material	HDPE
Number of Pairs	4
Pair Identification	White/Blue, Blue/White
	White/Orange, Orange/White
	White/Green, Green/White
	White/Brown, Brown/White
Sheath Material	PVC
Sheath Colour	1 x Red, 1 x Blue

2 x TV 100

Conductor Material	Bare Copper
Conductor Size	1.02mm
Insulation Material	FPE
Overall Screen 1	Bare Copper Foil
Overall Screen 2	Bare Copper Wire Braid, (≥ 55% Coverage)
Sheath Material	PVC
Sheath Colour	1 x Red, 1 x Blue

Overall Construction :

Sheath Material	Polyvinyl Chloride (PVC)
Sheath Colour	Pink + Blue Stripe

Electrical Characteristics:

Lighting Control

Max. Conductor Resistance	18(7)AWG	24.1 Ω/km
	22(7)AWG	55.2 Ω/km
Insulation Resistance		> 200 MΩ.M
Capacitance	18(7)AWG	45 pF/m ± 10
Impedance	18(7)AWG	120 Ω ± 20
Voltage Rating		300 V

Cat 5E UTP

Nominal Impedance	100 ± 15 Ω (1-100MHz)
Max. Conductor Resistance@ 20°c	≤ 9.50 Ω/100m
Max. Conductor Resistance Unbalanced	≤ 5.0 %
Mutual Capacitance	≤ 5.6 nF/100m
Capacitance Unbalanced to Earth	≤ 300 pF/ 100m
Max. Delay Skew	≤ 45 ns/ 100m
Voltage Rating	30 V
Test Voltage	2.5kV (AC)

2 x TV 100

Nominal Impedance	75 ± 3 Ω
Max. Conductor Resistance@ 20°c	≤ 23.5 Ω/km
Outer Conductor Resistance@ 20°c	≤ 15 Ω/km
Capacitance	53 ± 3 pF/m
NVP	83 %

TV 100 Electrical Performance

Attenuation

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
5	1.6	860	19.5
50	4.6	1000	21.5
100	6.5	1750	29.0
200	9.5	2150	32.5
460	15.0		

Return Loss

Frequency (MHz)	dB
30 – 470	≥ 23
470 – 862	≥ 20
862 - 2150	≥ 18

Cat 5E UTP Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	155	200	300	350	MHz
Attenuation	2.0	4.10	6.5	8.2	9.30	11.7	17.0	22.0	26.6	30.7	38.7	41.4	dB
Return Loss	20.0	23.0	25.0	25.0	25.0	23.6	21.5	20.1	10.1	9.0	7.2	6.6	dB
NEXT	65.3	56.3	50.3	47.2	45.8	42.9	38.4	35.3	29.2	27.3	24.4	23.2	dB
PS NEXT	62.3	53.3	47.3	44.4	42.8	39.9	35.4	32.3	27.0	25.2	22.3	21.2	dB
ELFEXT	65.0	52.0	44.0	39.9	38.0	34.1	28.1	24.0	17.5	15.3	11.8	10.5	dB
PSELFEXT	61.0	49.0	41.0	36.9	35.0	31.1	25.1	21.0	11.8	9.6	6.1	4.7	dB

Physical Characteristics:

Overall Diameter	19.5 ± 1.0mm
Bend Radius	15 x OD
Temperature Rating	-10°C to 70°C
Weight	270 kg/km

Standards:

Cat 5E UTP PVC

Manufactured in Accordance to	TIA/EIA 568-C.2, ISO/IEC 11801

Overall Construction:

Flame Retardant	BS EN 60332-1-2
RoHS2 Compliant	Yes
CE Compliant	LVD (2014/35/EU)

MCC3

Construction :

2 x Cat 6 UTP

Conductor Material & Size	Bare Copper, 23(1)AWG
Insulation Material	HDPE
Number of Pairs	4
Pair Identification	White/Blue, Blue/White
	White/Orange, Orange/White
	White/Green, Green/White
	White/Brown, Brown/White
Sheath Material	PVC
Sheath Colour	1 x Grey, 1 x Violet

2 x TV 100

Conductor Material	Bare Copper
Conductor Size	1.02mm
Insulation Material	FPE
Overall Screen 1	Bare Copper Foil
Overall Screen 2	Bare Copper Wire Braid, (≥ 55% Coverage)
Sheath Material	PVC
Sheath Colour	1 x Black, 1 xWhite

Overall Construction :

Sheath Material	Polyvinyl Chloride (PVC)
Sheath Colour	Pink + Black Stripe

Electrical Characteristics:

Cat 6 UTP

Nominal Impedance	100 ± 15 Ω (1-250MHz)
Max. Conductor Resistance@ 20°c	≤ 9.50 Ω/100m
Max. Conductor Resistance Unbalanced	≤ 5.0 %
Mutual Capacitance	≤ 5.6 nF/100m
Capacitance Unbalanced to Earth	≤ 330 pF/ 100m
Max. Delay Skew	≤ 45 ns/ 100m
Voltage Rating	30 V
Test Voltage	2.5kV (AC)

2 x TV 100

Nominal Impedance	75 ± 3 Ω
Max. Conductor Resistance@ 20°c	≤ 23.5 Ω/km
Outer Conductor Resistance@ 20°c	≤ 15 Ω/km
Capacitance	53 ± 3 pF/m
NVP	83 %

TV 100 Electrical Performance

Attenuation				Return Loss	
Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	dB
5	1.6	860	19.5	30 – 470	≥ 23
50	4.6	1000	21.5	470 – 862	≥ 20
100	6.5	1750	29.0	862 - 2150	≥ 18
200	9.5	2150	32.5		
460	15.0				

Cat 6 UTP Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	200	250	300	400	500	MHz
Attenuation	2.03	3.78	5.95	7.6	8.47	10.67	15.38	19.8	28.98	32.85	34.0	41.1	47.1	dB
Return Loss	20.0	23.0	25.0	25.0	25.0	23.6	21.5	20.1	18.0	17.3	9.2	8.0	7.0	dB
NEXT	74.3	65.3	59.3	56.2	54.8	51.9	47.7	44.3	39.8	38.3	34.0	31.9	30.4	dB
PS NEXT	72.3	63.3	57.3	54.2	52.8	49.9	45.4	42.3	37.8	36.3	31.4	29.3	27.6	dB
ELFEXT	67.8	55.8	49.7	47.8	41.8	37.9	31.9	27.8	21.8	19.8	14.6	12.1	10.2	dB
PSELFEXT	64.8	52.8	44.8	40.7	38.8	34.9	28.9	24.8	18.8	16.8	11.6	9.1	7.2	dB

Physical Characteristics:

Overall Diameter	17.5 ± 1.0mm
Bend Radius	15 x OD
Temperature Rating	-10°C to 70°C
Weight	220 kg/km

Standards:

Cat 5E UTP PVC

Manufactured in Accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
Approval	HDBaseT

Overall Construction:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCC4

Construction :

1 x Cat 5E UTP

Conductor Material & Size	Bare Copper, 24(1)AWG
Insulation Material	HDPE
Number of Pairs	4
Pair Identification	White/Blue, Blue/White
	White/Orange, Orange/White
	White/Green, Green/White
	White/Brown, Brown/White
Sheath Material	PVC
Sheath Colour	Red

2 x Cat 6 UTP

Conductor Material & Size	Bare Copper, 23(1)AWG
Insulation Material	HDPE
Number of Pairs	4
Pair Identification	White/Blue, Blue/White
	White/Orange, Orange/White
	White/Green, Green/White
	White/Brown, Brown/White
Sheath Material	PVC
Sheath Colour	1 x Grey, 1 x Violet

2 x TV 100

Conductor Material	Bare Copper
Conductor Size	1.02mm
Insulation Material	FPE
Overall Screen 1	Bare Copper Foil
Overall Screen 2	Bare Copper Wire Braid, (≥ 55% Coverage)
Sheath Material	PVC
Sheath Colour	1 x Black, 1 xWhite

Overall Construction :

Sheath Material	Polyvinyl Chloride (PVC)
Sheath Colour	Pink +Green Stripe

Electrical Characteristics:

Cat 5E UTP

Nominal Impedance	100 ± 15 Ω (1-100MHz)
Max. Conductor Resistance@ 20°c	≤ 9.50 Ω/100m
Max. Conductor Resistance Unbalanced	≤ 5.0 %
Mutual Capacitance	≤ 5.6 nF/100m
Capacitance Unbalanced to Earth	≤ 300 pF/ 100m
Max. Delay Skew	≤ 45 ns/ 100m
Voltage Rating	30 V
Test Voltage	2.5kV (AC)

Cat 6 UTP

Nominal Impedance	100 ± 15 Ω (1-250MHz)
Max. Conductor Resistance@ 20°c	≤ 9.50 Ω/100m
Max. Conductor Resistance Unbalanced	≤ 5.0 %
Mutual Capacitance	≤ 5.6 nF/100m
Capacitance Unbalanced to Earth	≤ 330 pF/ 100m
Max. Delay Skew	≤ 45 ns/ 100m
Voltage Rating	30 V
Test Voltage	2.5kV (AC)

2 x TV 100

Nominal Impedance	75 ± 3 Ω
Max. Conductor Resistance@ 20°c	≤ 23.5 Ω/km
Outer Conductor Resistance@ 20°c	≤ 15 Ω/km
Capacitance	53 ± 3 pF/m
NVP	83 %

TV 100 Electrical Performance

Attenuation

Frequency (MHz)	Attenuation (dB/100m)
5	1.6
50	4.6
100	6.5
200	9.5
460	15.0
860	19.5
1000	21.5
1750	29.0
2150	32.5

Return Loss

Frequency (MHz)	dB
30 – 470	≥ 23
470 – 862	≥ 20
862 - 2150	≥ 18

Cat 5E UTP Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	155	200	300	350	MHz
Attenuation	2.0	4.10	6.5	8.2	9.30	11.7	17.0	22.0	26.6	30.7	38.7	41.4	dB
Return Loss	20.0	23.0	25.0	25.0	25.0	23.6	21.5	20.1	10.1	9.0	7.2	6.6	dB
NEXT	65.3	56.3	50.3	47.2	45.8	42.9	38.4	35.3	29.2	27.3	24.4	23.2	dB
PS NEXT	62.3	53.3	47.3	44.4	42.8	39.9	35.4	32.3	27.0	25.2	22.3	21.2	dB
ELFEXT	65.0	52.0	44.0	39.9	38.0	34.1	28.1	24.0	17.5	15.3	11.8	10.5	dB
PSELFEXT	61.0	49.0	41.0	36.9	35.0	31.1	25.1	21.0	11.8	9.6	6.1	4.7	dB

Cat 6 UTP Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	200	250	300	400	500	MHz
Attenuation	2.03	3.78	5.95	7.6	8.47	10.67	15.38	19.8	28.98	32.85	34.0	41.1	47.1	dB
Return Loss	20.0	23.0	25.0	25.0	25.0	23.6	21.5	20.1	18.0	17.3	9.2	8.0	7.0	dB
NEXT	74.3	65.3	59.3	56.2	54.8	51.9	47.7	44.3	39.8	38.3	34.0	31.9	30.4	dB
PS NEXT	72.3	63.3	57.3	54.2	52.8	49.9	45.4	42.3	37.8	36.3	31.4	29.3	27.6	dB
ELFEXT	67.8	55.8	49.7	47.8	41.8	37.9	31.9	27.8	21.8	19.8	14.6	12.1	10.2	dB
PSELFEXT	64.8	52.8	44.8	40.7	38.8	34.9	28.9	24.8	18.8	16.8	11.6	9.1	7.2	dB

Physical Characteristics:

Overall Diameter	18.7 ± 1.0mm
Bend Radius	15 x OD
Temperature Rating	-10°C to 70°C
Weight	250 kg/km

Standards:

Cat 5E UTP PVC

Manufactured in Accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
Approval	HDBaseT

Cat 6 UTP PVC

Manufactured in Accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
Approval	HDBaseT

Overall Construction:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCC5

Construction :

1 x Cat 5E UTP

Conductor Material & Size	Bare Copper, 24(1)AWG
Insulation Material	HDPE
Number of Pairs	4
Pair Identification	White/Blue, Blue/White
	White/Orange, Orange/White
	White/Green, Green/White
	White/Brown, Brown/White
Sheath Material	Low Smoke Halogen Free (LSHF)
Sheath Colour	Red

2 x Cat 6 UTP

Conductor Material & Size	Bare Copper, 23(1)AWG
Insulation Material	HDPE
Number of Pairs	4
Pair Identification	White/Blue, Blue/White
	White/Orange, Orange/White
	White/Green, Green/White
	White/Brown, Brown/White
Sheath Material	Low Smoke Halogen Free (LSHF)
Sheath Colour	1 x Grey, 1 x Violet

2 x TV 100

Conductor Material	Bare Copper
Conductor Size	1.02mm
Insulation Material	FPE
Overall Screen 1	Bare Copper Foil
Overall Screen 2	Bare Copper Wire Braid, (≥ 55% Coverage)
Sheath Material	Low Smoke Halogen Free (LSHF)
Sheath Colour	1 x Black, 1 xWhite

Overall Construction :

Sheath Material	Low Smoke Halogen Free (LSHF)
Sheath Colour	Pink + Violet Stripe

Electrical Characteristics:

Cat 5E UTP

Nominal Impedance	100 ± 15 Ω (1-100MHz)
Max. Conductor Resistance@ 20°c	≤ 9.50 Ω/100m
Max. Conductor Resistance Unbalanced	≤ 5.0 %
Mutual Capacitance	≤ 5.6 nF/100m
Capacitance Unbalanced to Earth	≤ 300 pF/ 100m
Max. Delay Skew	≤ 45 ns/ 100m
Voltage Rating	30 V
Test Voltage	2.5kV (AC)

Cat 6 UTP

Nominal Impedance	100 ± 15 Ω (1-250MHz)
Max. Conductor Resistance@ 20°c	≤ 9.50 Ω/100m
Max. Conductor Resistance Unbalanced	≤ 5.0 %
Mutual Capacitance	≤ 5.6 nF/100m
Capacitance Unbalanced to Earth	≤ 330 pF/ 100m
Max. Delay Skew	≤ 45 ns/ 100m
Voltage Rating	30 V
Test Voltage	2.5kV (AC)

2 x TV 100

Nominal Impedance	75 ± 3 Ω
Max. Conductor Resistance@ 20°c	≤ 23.5 Ω/km
Outer Conductor Resistance@ 20°c	≤ 15 Ω/km
Capacitance	53 ± 3 pF/m
NVP	83 %

TV 100 Electrical Performance

Attenuation

Frequency (MHz)	Attenuation (dB/100m)
5	1.6
50	4.6
100	6.5
200	9.5
460	15.0
860	19.5
1000	21.5
1750	29.0
2150	32.5

Return Loss

Frequency (MHz)	dB
30 – 470	≥ 23
470 – 862	≥ 20
862 - 2150	≥ 18

Cat 5E UTP Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	155	200	300	350	MHz
Attenuation	2.0	4.10	6.5	8.2	9.30	11.7	17.0	22.0	26.6	30.7	38.7	41.4	dB
Return Loss	20.0	23.0	25.0	25.0	25.0	23.6	21.5	20.1	10.1	9.0	7.2	6.6	dB
NEXT	65.3	56.3	50.3	47.2	45.8	42.9	38.4	35.3	29.2	27.3	24.4	23.2	dB
PS NEXT	62.3	53.3	47.3	44.4	42.8	39.9	35.4	32.3	27.0	25.2	22.3	21.2	dB
ELFEXT	65.0	52.0	44.0	39.9	38.0	34.1	28.1	24.0	17.5	15.3	11.8	10.5	dB
PSELFEXT	61.0	49.0	41.0	36.9	35.0	31.1	25.1	21.0	11.8	9.6	6.1	4.7	dB

Cat 6 UTP Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	200	250	300	400	500	MHz
Attenuation	2.03	3.78	5.95	7.6	8.47	10.67	15.38	19.8	28.98	32.85	34.0	41.1	47.1	dB
Return Loss	20.0	23.0	25.0	25.0	25.0	23.6	21.5	20.1	18.0	17.3	9.2	8.0	7.0	dB
NEXT	74.3	65.3	59.3	56.2	54.8	51.9	47.7	44.3	39.8	38.3	34.0	31.9	30.4	dB
PS NEXT	72.3	63.3	57.3	54.2	52.8	49.9	45.4	42.3	37.8	36.3	31.4	29.3	27.6	dB
ELFEXT	67.8	55.8	49.7	47.8	41.8	37.9	31.9	27.8	21.8	19.8	14.6	12.1	10.2	dB
PSELFEXT	64.8	52.8	44.8	40.7	38.8	34.9	28.9	24.8	18.8	16.8	11.6	9.1	7.2	dB

Physical Characteristics:

Overall Diameter	18.7 ± 1.0mm
Bend Radius	15 x OD
Temperature Rating	-10°C to 70°C
Weight	250 kg/km

Standards:

Cat 5E UTP LSHF

Manufactured in Accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
Approval	HDBaseT

Cat 6 UTP LSHF

Manufactured in Accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
Approval	HDBaseT

Overall Construction:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCC6

PART REFERENCE HA6

Construction :

THIS COMPOSITE IS MADE FORM THE FOLLOWING COMPONENTS:

HAC1	3GHz QUAD SHIELD COAXIAL CABLE (BLACK)
HAC2	3GHz QUAD SHIELD COAXIAL CABLE (WHITE)
C6T05	500MHZ CATEGORY 6 UTP 4 PAIR (GREY) HDBaseT Recommended
C6T06	500MHZ CATEGORY 6 UTP 4 PAIR (VIOLET) HDBaseT Recommended
FIBRE	VARIOUS FIBRE COMBINATIONS

Overall Construction :

TAPE	FLEECE TAPE, REDUCES INTERNAL FRICTION AND IMPROVING FLEXIBILITY
SHEATH	PVC PINK + BROWN STRIPE
OVERALL DIAMETER	16.6MM APPROX
PRINT	

TruHOME Home Automation Composite Cable HA6 2 Quad Shield Digital Video 2 Cat 6 1 Fibre Cable Area A B C D E F G Device 1 2 3 4 5 6 7 8 9 0 RoHS BATCH NO + METER MARK'

Technical:

3GHz QUAD SHIELD COAXIAL CABLE

CONSTRUCTION		TECHNICAL			
CONDUCTOR	BARE COPPER	OVERALL DIAMETER	7.54MM	ATTENUATION (dB/100M)	
DIELECTRIC	FOAMED PE	IMPEDANCE	75Ohm	55 MHz	5.25
1st SCREEN	BONDED ALUMINIUM FOIL	NOMINAL CAPACITANCE	171 pF/m	450 MHz	14.43
2nd SCREEN	ALUMINIUM WIRE BRAID	VELOCITY	85%	1 GHz	21.49
3rd SCREEN	BONDED ALUMINIUM FOIL	RETURN LOSS	20 dB	1.8 GHz	27.73
4th SCREEN	ALUMINIUM WIRE BRAID			3 GHz	37.5
SHEATH	PVC				

500MHZ CATEGORY 6 UTP 4 PAIR HDBaseT Recommended

CONSTRUCTION		TECHNICAL	
CONDUCTOR	23AWG PURE COPPER	OVERALL DIAMETER	6.4MM
INSULATION	PE	IMPEDANCE	100 +/- 15 Ohm
SHEATH	PVC	STANDARDS	COMPLIES WITH TIA/EIA 568 C & ISO/IEC 11801

FIBRE CABLE (Other fibre combinations and sizes are available to order, please contact us for more details)

NO OF FIBRE	4, 8, 12 & 24
MODE	OS1/2, OM1, 2 & 3
TUBE	LOOSE TUBE OR TIGHT BUFFERED

MCC15

Construction :

3 x Cat 6 UTP

Conductor Material & Size	Bare Copper, 23(1)AWG
Insulation Material	HDPE
Number of Pairs	4
Pair Identification	White/Blue, Blue/White
	White/Orange, Orange/White
	White/Green, Green/White
	White/Brown, Brown/White
Sheath Material	PVC
Sheath Colour	1 x Grey, 1 x Violet, 1 xWhite

1 x TV 100

Conductor Material	Bare Copper
Conductor Size	1.02mm
Insulation Material	FPE
Overall Screen 1	Bare Copper Foil
Overall Screen 2	Bare Copper Wire Braid, (≥ 55% Coverage)
Sheath Material	PVC
Sheath Colour	1 x Black

Overall Construction :

Sheath Material	Polyvinyl Chloride (PVC)
Sheath Colour	Pink + Black Stripe

Electrical Characteristics:

Cat 6 UTP

Nominal Impedance	100 ± 15 Ω (1-250MHz)
Max. Conductor Resistance@ 20°c	≤ 9.50 Ω/100m
Max. Conductor Resistance Unbalanced	≤ 5.0 %
Mutual Capacitance	≤ 5.6 nF/100m
Capacitance Unbalanced to Earth	≤ 330 pF/ 100m
Max. Delay Skew	≤ 45 ns/ 100m
Voltage Rating	30 V
Test Voltage	2.5kV (AC)

TV 100

Nominal Impedance	75 ± 3 Ω
Max. Conductor Resistance@ 20°c	≤ 23.5 Ω/km
Outer Conductor Resistance@ 20°c	≤ 15 Ω/km
Capacitance	53 ± 3 pF/m
NVP	83 %

TV 100 Electrical Performance

Attenuation				Return Loss	
Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	dB
5	1.6	860	19.5	30 – 470	≥ 23
50	4.6	1000	21.5	470 – 862	≥ 20
100	6.5	1750	29.0	862 - 2150	≥ 18
200	9.5	2150	32.5		
460	15.0				

Cat 6 UTP Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	200	250	300	400	500	MHz
Attenuation	2.03	3.78	5.95	7.6	8.47	10.67	15.38	19.8	28.98	32.85	34.0	41.1	47.1	dB
Return Loss	20.0	23.0	25.0	25.0	25.0	23.6	21.5	20.1	18.0	17.3	9.2	8.0	7.0	dB
NEXT	74.3	65.3	59.3	56.2	54.8	51.9	47.7	44.3	39.8	38.3	34.0	31.9	30.4	dB
PS NEXT	72.3	63.3	57.3	54.2	52.8	49.9	45.4	42.3	37.8	36.3	31.4	29.3	27.6	dB
ELFEXT	67.8	55.8	49.7	47.8	41.8	37.9	31.9	27.8	21.8	19.8	14.6	12.1	10.2	dB
PSELFEXT	64.8	52.8	44.8	40.7	38.8	34.9	28.9	24.8	18.8	16.8	11.6	9.1	7.2	dB

Physical Characteristics:

Overall Diameter	17.5 ± 1.0mm
Bend Radius	15 x OD
Temperature Rating	-10°C to 70°C
Weight	226 kg/km

Standards:

Cat 6 UTP PVC

Manufactured in Accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
Approval	HDBaseT

Overall Construction:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

TV 100

Nominal Impedance	75 ± 3 Ω
Max. Conductor Resistance@ 20°c	≤ 23.5 Ω/km
Outer Conductor Resistance@ 20°c	≤ 15 Ω/km
Capacitance	53 ± 3 pF/m
NVP	83 %

TV 100 Electrical Performance

Attenuation				Return Loss	
Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	dB
5	1.6	860	19.5	30 – 470	≥ 23
50	4.6	1000	21.5	470 – 862	≥ 20
100	6.5	1750	29.0	862 - 2150	≥ 18
200	9.5	2150	32.5		
460	15.0				

Physical Characteristics:

Overall Diameter	6.5 x 13.2 ± 0.4mm	
Bend Radius	Fixed 8 x OD	Flexing 10 x OD
Temperature Rating	Fixed -15°C to 70°C	Flexing -10°C to 70°C
Weight	92 kg/km	

Overall Construction:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
Cat 6 U/UTP Manufactured in Accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCC21

Construction :

Cat 6 U/UTP

Conductor Material & Size	Bare Copper, 23(1)AWG
Insulation Material	Polyethylene (PE)
Number of Pairs	4
Pair Identification	White/Blue, Blue/White; White/Orange, Orange/White White/Green, Green/White; White/Brown, Brown/White

TV 100

Conductor Material	Bare Copper
Conductor Size	1.00mm
Insulation Material	FPE
Overall Screen 1	Bare Copper Foil
Overall Screen 2	Bare Copper Wire Braid, (≥ 55% Coverage)

Overall Construction :

Sheath Material	Polyvinyl Chloride (PVC)
Sheath Colour	Green

Electrical Characteristics:

Cat 6 U/UTP

Nominal Impedance	100 ± 15 Ω (1-100MHz)
Max. Conductor Resistance@ 20°c	≤ 9.50 Ω/100m
Max. Conductor Resistance Unbalanced	≤ 2.5 %
Mutual Capacitance	≤ 5.6 nF/100m
Capacitance Unbalanced to Earth	≤ 330 pF/ 100m
Max. Delay Skew	≤ 45 ns/ 100m
Voltage Rating	30 V
Test Voltage	2.5kV (AC)

Cat 6 U/UTP Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	200	250	300	400	500	MHz
Attenuation	1.9	3.5	5.5	7.0	7.9	10.0	14.4	18.6	27.4	31.1	34.0	41.1	47.1	≤ dB
Return Loss	19.1	21.0	21.0	20.0	19.5	18.5	16.0	14.0	11.0	10.0	9.2	8.0	7.0	≥ dB
NEXT	65.0	64.1	57.8	54.6	53.1	50.0	45.1	41.8	36.0	35.3	34.0	31.9	30.4	≥ dB
PS NEXT	62.0	61.8	55.5	52.2	50.7	47.5	42.7	39.3	34.3	32.7	31.4	29.3	27.6	≥ dB
ACRF	64.2	52.1	44.2	40.1	38.2	34.3	28.3	24.2	18.2	16.2	14.6	12.1	10.2	≥ dB
PSACRF	61.2	49.1	41.2	37.1	35.2	31.3	25.3	21.2	15.2	13.2	11.6	9.1	7.2	≥ dB

TV 100

Nominal Impedance	75 ± 3 Ω
Max. Conductor Resistance@ 20°c	≤ 23.5 Ω/km
Outer Conductor Resistance@ 20°c	≤ 15 Ω/km
Capacitance	53 ± 3 pF/m
NVP	83 %

TV 100 Electrical Performance

Attenuation				Return Loss	
Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	dB
5	1.6	860	19.5	30 – 470	≥ 23
50	4.6	1000	21.5	470 – 862	≥ 20
100	6.5	1750	29.0	862 - 2150	≥ 18
200	9.5	2150	32.5		
460	15.0				

Physical Characteristics:

Overall Diameter	6.5 x 13.2 ± 0.4mm	
Bend Radius	Fixed 8 x OD	Flexing 10 x OD
Temperature Rating	Fixed -15°C to 70°C	Flexing -10°C to 70°C
Weight	92 kg/km	

Overall Construction:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
Cat 6 U/UTP Manufactured in Accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCC22

Construction :

Cat 6 U/UTP

Conductor Material & Size	Bare Copper, 23(1)AWG
Insulation Material	Polyethylene (PE)
Number of Pairs	4
Pair Identification	White/Blue, Blue/White; White/Orange, Orange/White White/Green, Green/White; White/Brown, Brown/White

TV 100

Conductor Material	Bare Copper
Conductor Size	1.00mm
Insulation Material	FPE
Overall Screen 1	Bare Copper Foil
Overall Screen 2	Bare Copper Wire Braid, (≥ 55% Coverage)

Overall Construction :

Sheath Material	Low Smoke Halogen Free (LSHF)
Sheath Colour	Orange

Electrical Characteristics:

Cat 6 U/UTP

Nominal Impedance	100 ± 15 Ω (1-100MHz)
Max. Conductor Resistance@ 20°c	≤ 9.50 Ω/100m
Max. Conductor Resistance Unbalanced	≤ 2.5 %
Mutual Capacitance	≤ 5.6 nF/100m
Capacitance Unbalanced to Earth	≤ 330 pF/ 100m
Max. Delay Skew	≤ 45 ns/ 100m
Voltage Rating	30 V
Test Voltage	2.5kV (AC)

Cat 6 U/UTP Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	200	250	300	400	500	MHz
Attenuation	1.9	3.5	5.5	7.0	7.9	10.0	14.4	18.6	27.4	31.1	34.0	41.1	47.1	≤ dB
Return Loss	19.1	21.0	21.0	20.0	19.5	18.5	16.0	14.0	11.0	10.0	9.2	8.0	7.0	≥ dB
NEXT	65.0	64.1	57.8	54.6	53.1	50.0	45.1	41.8	36.0	35.3	34.0	31.9	30.4	≥ dB
PS NEXT	62.0	61.8	55.5	52.2	50.7	47.5	42.7	39.3	34.3	32.7	31.4	29.3	27.6	≥ dB
ACRF	64.2	52.1	44.2	40.1	38.2	34.3	28.3	24.2	18.2	16.2	14.6	12.1	10.2	≥ dB
PSACRF	61.2	49.1	41.2	37.1	35.2	31.3	25.3	21.2	15.2	13.2	11.6	9.1	7.2	≥ dB

TV 100

Nominal Impedance	75 ± 3 Ω
Max. Conductor Resistance@ 20°c	≤ 23.5 Ω/km
Outer Conductor Resistance@ 20°c	≤ 15 Ω/km
Capacitance	53 ± 3 pF/m
NVP	83 %

TV 100 Electrical Performance

Attenuation				Return Loss	
Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	dB
5	1.6	860	19.5	30 – 470	≥ 23
50	4.6	1000	21.5	470 – 862	≥ 20
100	6.5	1750	29.0	862 - 2150	≥ 18
200	9.5	2150	32.5		
460	15.0				

Physical Characteristics:

Overall Diameter	6.5 x 13.2 ± 0.4mm	
Bend Radius	Fixed 8 x OD	Flexing 10 x OD
Temperature Rating	Fixed -15°C to 70°C	Flexing -10°C to 70°C
Weight	92 kg/km	

Overall Construction:

Flame Retardant	BS EN 60332-1-2
Low Smoke Generation	BS EN 61034-2
Halogen Gas Emission	BS EN 60754-1&2
RoHS3 Compliant	Yes
Cat 6 U/UTP Manufactured in Accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
CPR Classification	Eca (EN50575:2014+A1:2016)

MCC23

Construction :

Cat 6 U/UTP

Conductor Material & Size	Bare Copper, 23(1)AWG
Insulation Material	Polyethylene (PE)
Number of Pairs	4
Pair Identification	White/Blue, Blue/White; White/Orange, Orange/White White/Green, Green/White; White/Brown, Brown/White

TV 100

Conductor Material	Bare Copper
Conductor Size	1.00mm
Insulation Material	FPE
Overall Screen 1	Bare Copper Foil
Overall Screen 2	Bare Copper Wire Braid, (≥ 55% Coverage)

Overall Construction :

Sheath Material	Polyvinyl Chloride (PVC)
Sheath Colour	Black

Electrical Characteristics:

Cat 6 U/UTP

Nominal Impedance	100 ± 15 Ω (1-100MHz)
Max. Conductor Resistance@ 20°c	≤ 9.50 Ω/100m
Max. Conductor Resistance Unbalanced	≤ 2.5 %
Mutual Capacitance	≤ 5.6 nF/100m
Capacitance Unbalanced to Earth	≤ 330 pF/ 100m
Max. Delay Skew	≤ 45 ns/ 100m
Voltage Rating	30 V
Test Voltage	2.5kV (AC)

Cat 6 U/UTP Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	200	250	300	400	500	MHz
Attenuation	1.9	3.5	5.5	7.0	7.9	10.0	14.4	18.6	27.4	31.1	34.0	41.1	47.1	≤ dB
Return Loss	19.1	21.0	21.0	20.0	19.5	18.5	16.0	14.0	11.0	10.0	9.2	8.0	7.0	≥ dB
NEXT	65.0	64.1	57.8	54.6	53.1	50.0	45.1	41.8	36.0	35.3	34.0	31.9	30.4	≥ dB
PS NEXT	62.0	61.8	55.5	52.2	50.7	47.5	42.7	39.3	34.3	32.7	31.4	29.3	27.6	≥ dB
ACRF	64.2	52.1	44.2	40.1	38.2	34.3	28.3	24.2	18.2	16.2	14.6	12.1	10.2	≥ dB
PSACRF	61.2	49.1	41.2	37.1	35.2	31.3	25.3	21.2	15.2	13.2	11.6	9.1	7.2	≥ dB

TV 100

Nominal Impedance	75 ± 3 Ω
Max. Conductor Resistance@ 20°c	≤ 23.5 Ω/km
Outer Conductor Resistance@ 20°c	≤ 15 Ω/km
Capacitance	53 ± 3 pF/m
NVP	83 %

TV 100 Electrical Performance

Attenuation				Return Loss	
Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	dB
5	1.6	860	19.5	30 – 470	≥ 23
50	4.6	1000	21.5	470 – 862	≥ 20
100	6.5	1750	29.0	862 - 2150	≥ 18
200	9.5	2150	32.5		
460	15.0				

Physical Characteristics:

Overall Diameter	6.5 x 13.2 ± 0.4mm	
Bend Radius	Fixed 8 x OD	Flexing 10 x OD
Temperature Rating	Fixed -15°C to 70°C	Flexing -10°C to 70°C
Weight	92 kg/km	

Overall Construction:

RoHS3 Compliant	Yes
UV & Weather Resistant	ISO 4892-3
Cat 6 U/UTP Manufactured in Accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
CE Compliant	LVD (2014/35/EU)
CPR Classification	Fca (EN50575:2014+A1:2016)

MC6P4

Construction :

4 x Cat 6 U/UTP PVC

Conductor	Bare Copper
AWG	23(1)
Insulation Material	High Density Polyethylene (HDPE)
Number of Pairs	4
Pair Identification	Blue, Blue/White; Orange, Orange/White Green, Green/White; Brown, Brown/White
Outer Sheath Material	Polyvinyl Chloride (PVC)
Outer Sheath Colour	1 x Blue, 1 x Red, 1 x Yellow, 1 xWhite

Overall Construction :

Outer Sheath Material	Polyvinyl Chloride (PVC)
Outer Sheath Colour	Grey

Electrical Characteristics:

Cat 6 U/UTP

Max. Conductor Resistance@ 20°c	≤ 9.50 Ω/100m
Max. Resistance Unbalanced	≤ 2.5 %
Nominal Impedance (1-100MHz)	100 ± 15 Ω
Mutual Capacitance	≤ 5.6 nF/100m
Capacitance Unbalanced to Earth	≤ 330 pF/ 100m
NVP	68.5 %
Max. Delay Skew	≤ 45 ns/ 100m
Voltage Rating EN 50525-1	450/750V*
Test Voltage	2.5kV (AC)

*Suitable for installation where Band II 450/750v cables are present. Not suitable for connection to mains supply

Physical Characteristics:

Overall Diameter	17.0 ± 0.5mm	
Bend Radius	Fixed 4 x OD	Flexing 8 x OD
Temperature Rating	Fixed -20°C to 60°C	Flexing -10°C to 60°C
Weight	190 kg/km	

Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	200	250	MHz
Attenuation	1.9	3.5	5.5	7.0	7.9	10.0	14.4	18.6	27.4	31.1	≤ dB
Return Loss	19.1	21.0	21.0	20.0	19.5	18.5	16.0	14.0	11.0	10.0	≥ dB
NEXT	65.0	64.1	57.8	54.6	53.1	50.0	45.1	41.8	36.0	35.3	≥ dB
PS NEXT	62.0	61.8	55.5	52.2	50.7	47.5	42.7	39.3	34.3	32.7	≥ dB
ACRF	64.2	52.1	44.2	40.1	38.2	34.3	28.3	24.2	18.2	16.2	≥ dB
PSACRF	61.2	49.1	41.2	37.1	35.2	31.3	25.3	21.2	15.2	13.2	≥ dB

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
Manufactured in accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
CPR Classification	Eca (EN50575:2014+A1:2016)

MC6P6

Construction :

6 x Cat 6 U/UTP PVC

Conductor	Bare Copper
AWG	23(1)
Insulation Material	High Density Polyethylene (HDPE)
Number of Pairs	4
Pair Identification	Blue, Blue/White; Orange, Orange/White Green, Green/White; Brown, Brown/White
Outer Sheath Material	Polyvinyl Chloride (PVC)
Outer Sheath Colour	1 x Blue, 1 x Red, 1 x Yellow, 1 xWhite, 1 x Green, 1 x Grey

Overall Construction :

Outer Sheath Material	Polyvinyl Chloride (PVC)
Outer Sheath Colour	Grey

Electrical Characteristics:

Cat 6 U/UTP

Max. Conductor Resistance@ 20°c	≤ 9.5 Ω/100m
Max. Resistance Unbalanced	≤ 2.5 %
Nominal Impedance (1-100MHz)	100 ± 15 Ω
Mutual Capacitance	≤ 5.6 nF/100m
Capacitance Unbalanced to Earth	≤ 330 pF/ 100m
NVP	68.5 %
Max. Delay Skew	≤ 45 ns/ 100m
Voltage Rating EN 50525-1	450/750V*
Test Voltage	2.5kV (AC)

*Suitable for installation where Band II 450/750v cables are present. Not suitable for connection to mains supply

Physical Characteristics:

Overall Diameter	21.0 ± 0.5mm	
Bend Radius	Fixed 4 x OD	Flexing 8 x OD
Temperature Rating	Fixed -20°C to 60°C	Flexing -10°C to 60°C
Weight	290 kg/km	

Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	200	250	MHz
Attenuation	1.9	3.5	5.5	7.0	7.9	10.0	14.4	18.6	27.4	31.1	≤ dB
Return Loss	19.1	21.0	21.0	20.0	19.5	18.5	16.0	14.0	11.0	10.0	≥ dB
NEXT	65.0	64.1	57.8	54.6	53.1	50.0	45.1	41.8	36.0	35.3	≥ dB
PS NEXT	62.0	61.8	55.5	52.2	50.7	47.5	42.7	39.3	34.3	32.7	≥ dB
ACRF	64.2	52.1	44.2	40.1	38.2	34.3	28.3	24.2	18.2	16.2	≥ dB
PSACRF	61.2	49.1	41.2	37.1	35.2	31.3	25.3	21.2	15.2	13.2	≥ dB

Standards:

Flame Retardant	BS EN 60332-1-2
RoHS3 Compliant	Yes
CE Compliant	LVD (2014/35/EU), CPR (305/2011)
Manufactured in accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
CPR Classification	Eca (EN50575:2014+A1:2016)

HDMI 2.0 4K Cable

Description

Version 2.0 the most common current iteration of the HDMI spec, suit for simultaneously transmitting digital video and audio from a source, such as a computer or TV cable box, to a computer monitor, TV or projector.

ZION Comm. offer HDMI 2.0 Braiding Cable at lengths of 0.5 meter to 3 meters with resolutions up to 4K @60Hz.

ZION Comm. offer HDMI 2.0 Braiding Cable at lengths of 5 meters to 10 meters with

Features:

Maximum bandwidth up to 18Gbps
Resolutions up to 4K@60Hz and 4K@30Hz
4:4:4 chroma subsampling
High Dynamic Range (HDR)
Extended Mode: Supports 2 screens showing different picture
Sync Mode: Supports 2 screens showing the same picture
Game Mode: Supports PS3/4 immersive experience
Support for advanced audio features such as DTS-HD, Dolby TrueHD & Dolby ATMOS

Broad Compatibility

Specification:

General

Length	0.5m - 3m	5m - 8m	10m - 20m
Resolution	3840×2160	3840×2160	1920×1080
Refresh Rate	60Hz	30Hz	60Hz
HDMI Version	2.0	1.4	1.2
Bandwidth	18 Gbps	10.2 Gbps	4.95 Gbps
Tone Quality	32 Audio Channels	8 Audio Channels	
Display screen	21:9 cinemascope	16:9 aspect ratio	

Cable details

Conductor Matterial	Copper or Tinned Copper
Conductor Gauge	0.5M - 3M: 30AWG
	5M: 28+30AWG
	8M: 24+30AWG
No. of conductors	19+1
Shielding	Aluminum Foil
	TC Braid
Drain Wire	Tinned Copper
OD of Jacket	0.5M - 5M: 7.3mm
	8M - 15M: 8.0mm
Jacket Matterial	PVC (Polyvinyl chloride)
Jacket Color	Black

Connector details

Connector Plating	24K Gold	
Connector Type	HDMI (19pin)	
	Male to Male	
	ZC131	ZC102

Model List

Zion Code	Description
H20C005-ZC131	HDMI 2.0 CABLE 0.5M ZC131 Connector 4K/60Hz 18 Gbps
H20C010-ZC131	HDMI 2.0 CABLE 1M ZC131 Connector 4K/60Hz 18 Gbps
H20C015-ZC131	HDMI 2.0 CABLE 1.5M ZC131 Connector 4K/60Hz 18 Gbps
H20C020-ZC131	HDMI 2.0 CABLE 2M ZC131 Connector 4K/60Hz 18 Gbps
H20C030-ZC131	HDMI 2.0 CABLE 3M ZC131 Connector 4K/60Hz 18 Gbps
H20C050-ZC131	HDMI 2.0 CABLE 5M ZC131 Connector 4K/30Hz 10.2 Gbps
H20C080-ZC131	HDMI 2.0 CABLE 8M ZC131 Connector 4K/30Hz 10.2 Gbps
H20C005-ZC102	HDMI 2.0 CABLE 0.5M ZC102 Connector 4K/60Hz 18 Gbps
H20C010-ZC102	HDMI 2.0 CABLE 1M ZC102 Connector 4K/60Hz 18 Gbps
H20C015-ZC102	HDMI 2.0 CABLE 1.5M ZC102 Connector 4K/60Hz 18 Gbps
H20C020-ZC102	HDMI 2.0 CABLE 2M ZC102 Connector 4K/60Hz 18 Gbps
H20C030-ZC102	HDMI 2.0 CABLE 3M ZC102 Connector 4K/60Hz 18 Gbps
H20C050-ZC102	HDMI 2.0 CABLE 5M ZC102 Connector 4K/30Hz 10.2 Gbps
H20C080-ZC102	HDMI 2.0 CABLE 8M ZC102 Connector 4K/30Hz 10.2 Gbps

OEM/ODM service for you

ZION Communication has rich expiriences in producing OEM/ODM cases becaused of Profession R & D team.

- Customized Logo on Plug & Boot
- Printing on Cable
- Label/PE bag/Carton design
- Different Color & Different Lengths Available
- Different Molding/Strain Relief

HDMI 2.0 4K Braiding Cable

Description

Version 2.0 the most common current iteration of the HDMI spec, suit for simultaneously transmitting digital video and audio from a source, such as a computer or TV cable box, to a computer monitor, TV or projector.

ZION Comm. offer HDMI 2.0 Braiding Cable at lengths of 0.5 meter to 3 meters with resolutions up to 4K @60Hz.

ZION Comm. offer HDMI 2.0 Braiding Cable at lengths of 5 meters to 10 meters with resolutions up to 4K @30Hz.

Features:

- Maximum bandwidth up to 18Gbps
- Resolutions up to 4K@60Hz and 4K@30Hz
- 4:4:4 chroma subsampling
- High Dynamic Range (HDR)
- Extended Mode: Supports 2 screens showing different picture
- Sync Mode: Supports 2 screens showing the same picture
- Game Mode: Supports PS3/4 immersive experience
- Support for advanced audio features such as DTS-HD, Dolby TrueHD & Dolby ATMOS

Broad Compatibility

Specification:

General

Length	0.5m - 3m	5m - 10m	12m - 15m
Resolution	3840×2160	3840×2160	1920×1080
Refresh Rate	60Hz	30Hz	60Hz
HDMI Version	2.0	1.4	1.2
Bandwidth	18 Gbps	10.2 Gbps	
Tone Quality	32 Audio Channels	8 Audio Channels	
Display screen	21:9 cinemascope	16:9 aspect ratio	

Cable details

Conductor Matterial	Copper or Tinned Copper
Conductor Gauge	0.5M - 5M: 30AWG
	8M: 28AWG
	10-15M: 26AWG
No. of conductors	19+1
Shielding	Aluminum Foil
	TC Braid
Drain Wire	Tinned Copper
OD of Jacket	0.5M - 5M: 8.0mm
	8M - 15M: 8.8mm
Jacket Matterial	PVC (Polyvinyl chloride)
Jacket Color	Black
Braiding	Nylon

Connector details

Connector Plating	24K Gold
Connector Type	HDMI (19pin)
	Male to Male
	ZC110

Model List

Zion Code	Description
H20BC010-ZC110	HDMI 2.0 Braiding CABLE 1M ZC110 Connector 4K/60Hz 18 Gbps
H20BC015-ZC110	HDMI 2.0 Braiding CABLE 1.5M ZC110 Connector 4K/60Hz 18 Gbps
H20BC020-ZC110	HDMI 2.0 Braiding CABLE 2M ZC110 Connector 4K/60Hz 18 Gbps
H20BC030-ZC110	HDMI 2.0 Braiding CABLE 3M ZC110 Connector 4K/60Hz 18 Gbps
H20BC050-ZC110	HDMI 2.0 Braiding CABLE 5M ZC110 Connector 4K/30Hz 10.2 Gbps
H20BC080-ZC110	HDMI 2.0 Braiding CABLE 8M ZC110 Connector 4K/30Hz 10.2 Gbps
H20BC100-ZC110	HDMI 2.0 Braiding CABLE 10M ZC110 Connector 4K/30Hz 10.2 Gbps
H20BC120-ZC110	HDMI 2.0 Braiding CABLE 12M ZC110 Connector 1080P/60Hz 10.2 Gbps
H20BC150-ZC110	HDMI 2.0 Braiding CABLE 15M ZC110 Connector 1080P/60Hz 10.2 Gbps

OEM/ODM service for you

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- Customized Logo on Plug & Boot
- Printing on Cable
- Label/PE bag/Carton design
- Different Color & Different Lengths Available
- Different Molding/Strain Relief

HDMI 2.0 4K Fiber Optic Cable

Description

Version 2.0 the most common current iteration of the HDMI spec, suit for simultaneously transmitting digital video and audio from a source, such as a computer or TV cable box, to a computer monitor, TV or projector.

ZION Comm. offer HDMI 2.0 Fiber Optic Cable at lengths of 5 meter to 100 meters with resolutions up to 4K @60Hz.

Features:

- Maximum bandwidth up to 18Gbps
- Resolutions up to 4K@60Hz
- 4:4:4 chroma subsampling
- High Dynamic Range (HDR)
- Extended Mode: Supports 2 screens showing different picture
- Sync Mode: Supports 2 screens showing the same picture
- Game Mode: Supports PS3/4 immersive experience
- Support for advanced audio features such as DTS-HD, Dolby TrueHD & Dolby ATMOS

Broad Compatibility

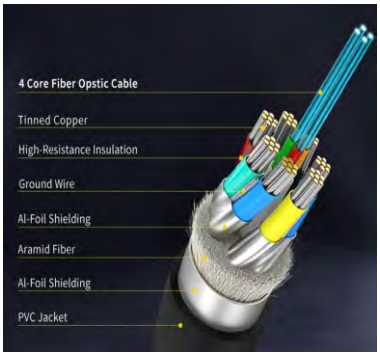
Specification:

General

Length	5m - 100m
Resolution	3840×2160
Refresh Rate	60Hz
HDMI Version	2.0
Bandwidth	18 Gbps
Tone Quality	32 Audio Channels
Display screen	21:9 cinemascope

Cable details

Conductor A	4 Core Fiber optic Cable	
Conductor B	Tinned Copper	
No. of conductors	19+1	
Shielding	Aluminum Foil	
	Aramid Fiber	
	Aluminum Foil	
Drain Wire	Tinned Copper	
Jacket Matterial	PVC (Polyvinyl chloride)	
Jacket Color	Black	



Connector details

Connector Plating	24K Gold	
CHIP	Silicon Line GmbH	
Lasers	II-VI	
	HDMI (19pin)	
	Male to Male	
Connector Type	ZC109	ZC132

Model List

Zion Code	Description
H20FOC050-ZC109	HDMI 2.0 Fiber Optic CABLE 5M ZC109 Connector 4K/60Hz 18 Gbps
H20FOC100-ZC109	HDMI 2.0 Fiber Optic CABLE 10M ZC109 Connector 4K/60Hz 18 Gbps
H20FOC150-ZC109	HDMI 2.0 Fiber Optic CABLE 15M ZC109 Connector 4K/60Hz 18 Gbps
H20FOC200-ZC109	HDMI 2.0 Fiber Optic CABLE 20M ZC109 Connector 4K/60Hz 18 Gbps
H20FOC250-ZC109	HDMI 2.0 Fiber Optic CABLE 25M ZC109 Connector 4K/60Hz 18 Gbps
H20FOC300-ZC109	HDMI 2.0 Fiber Optic CABLE 30M ZC109 Connector 4K/60Hz 18 Gbps
H20FOC500-ZC109	HDMI 2.0 Fiber Optic CABLE 50M ZC109 Connector 4K/60Hz 18 Gbps
H20FOC800-ZC109	HDMI 2.0 Fiber Optic CABLE 80M ZC109 Connector 4K/60Hz 18 Gbps
H20FOC1000-ZC109	HDMI 2.0 Fiber Optic CABLE 100M ZC109 Connector 4K/60Hz 18 Gbps

OEM/ODM service for you

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- Printing on Cable
- Label/PE bag/Carton design
- Different Color & Different Lengths Available
- Different Molding/Strain Relief

HDMI 2.1 8K Cable

Description

Version 2.1 the most common current iteration of the HDMI spec, suit for simultaneously transmitting digital video and audio from a source, such as a computer or TV cable box, to a computer monitor, TV or projector.

ZION Comm. offer HDMI 2.1 8K Cable at lengths of 0.5 meter to 5 meters with resolutions up to 8K@60Hz

Features:

Maximum bandwidth up to 48Gbps
3D Video
8K/60Hz, 4K/120Hz
High Dynamic Range (HDR) Static and Dynamic
Variable Refresh Rate (VRR)
Quick Media Switching(QMS)
Auto Low Latency Mode(ALLM)
Support for advanced audio features such as DTS-HD, Dolby TrueHD & Dolby ATMOS

Broad Compatibility

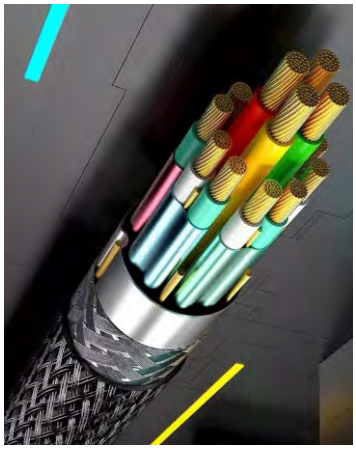
Specification:

General

Length	0.5m - 3m		
Resolution	7680×4320	3840×2160	2048×1080
Refresh Rate	60Hz	120Hz/60Hz	144Hz
HDMI Version	2.1	2.0	1.4
Bandwidth	Up to 48 Gbps		
Tone Quality	32 Audio Channels		
Display screen	21:9 cinemascope		

Cable details

Conductor Matterial	Tinned Copper
Conductor Gauge	
No. of conductors	19+1
Shielding	Aluminum Foil TC Braid
Drain Wire	Tinned Copper
OD of Jacket	0.5M - 2M: 6.8mm 3M - 5M: 7.3mm
Jacket Matterial	PVC (Polyvinyl chloride)
Jacket Color	Black
Braiding	Fibre



Connector details

Connector Plating	24K Gold	
	HDMI (19pin)	
	Male to Male	
Connector Type	ZC122	ZC128

Model List

Zion Code	Description
H21C005-ZC122	HDMI 2.1 CABLE 0.5M ZC122 Connector 8K/60Hz 48 Gbps
H21C010-ZC122	HDMI 2.1 CABLE 1M ZC122 Connector 8K/60Hz 48 Gbps
H21C015-ZC122	HDMI 2.1 CABLE 1.5M ZC122 Connector 8K/60Hz 48 Gbps
H21C020-ZC122	HDMI 2.1 CABLE 2M ZC122 Connector 8K/60Hz 48 Gbps
H21C030-ZC122	HDMI 2.1 CABLE 3M ZC122 Connector 8K/60Hz 48 Gbps
H21C050-ZC122	HDMI 2.1 CABLE 5M ZC122 Connector 8K/60Hz 48 Gbps

OEM/ODM service for you

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- Label/PE bag/Carton design
- Different Color & Different Lengths Available
- Different Molding/Strain Relief

F Types: RG6

Cable Construction Parameters:

Inner Conductor	0.040"/1.02mm/18AWG CCS
Dielectric	0.180"/4.57mm Foamed PE
Shield 1	0.187"/4.75mm Bonded Aluminum Polyproylene
Shield 2	Aluminum braid wire 60% coverage
Jacket	0.268"±0.006"/6.81±0.15mm PVC
Jacket Thickness	0.030"/0.76mm
Application	For Use in Longer CATV Run Lengths

Cable Electrical Characteristics:

Inner Conductor	The Max. at 20℃ shall be
Resistance	< 87 Ω/km 26.6 Ω/1000ft
Capacitance	52 ±3 pF/m 15.9 ±0.9 pF/ft
Impedance	75 ± 3 Ω
Return loss	between 5 and 1000MHz: > 22dB
Velocity of Propagation	0.85
Sparker Test (VAC)	4

Cable Mechanical and Envrionmental Properties

Cable bend radius	10 times the cable diameter
Operating Temp Range	-20 ℃ to 60℃
Cable diamensions	0.268"±0.006"/6.81±0.15mm PVC

※Customized customer specifications are accepted.

Order Informations:

Marking	HELLOSIGNA RG6 S 60% CM CATV COAXIAL CABLE 7100003 ×××M/FT
Length (FT)	1,2,3,...100FT
Length (M)	0.25m,0.5m,1m,...,100m
Delivery time	Normally 30 days after received the deposit.
Brand	HELLOSIGNAL™ OR OEM

F Connector types:

Code	Picture 1	Picture 2
ZCF6ICPS		
ZCF6XLPLUS		
ZCF6		
ZCF6XL		
7021000		

www.zion-communication.com

SIGNAL TO THE WORLD!

GLOBAL MARKET

China - Head office

Email: info@hello-signal.com
info@zion-communication.com

Mobile/WhatsAPP: 0086 15715730101

ADD: Zion Industrial Park, Huaqiao Road,
Jincheng, Lin'an, Zhejiang, China