

Cables for TWINAX Applications, 22AWG, FPE, Overall Screen, LSZH/HFFR Sheath

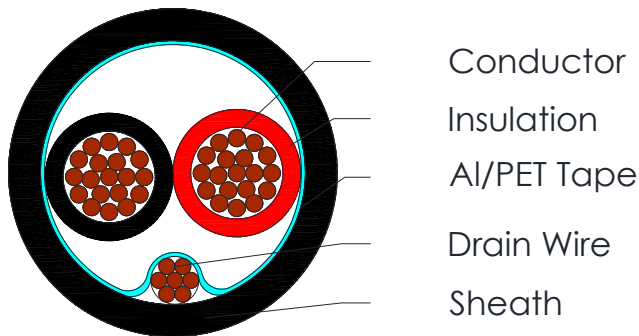


C5802

Applications

Twinaxial Cable

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Tinned Copper wire
Insulation	FPE Color : Black & Yellow
Drain Wire	Tinned Copper wire
Screen	Aluminium/Polyester tape
Sheath Material	Flame-Retardant Halogen Free (HFFR/LSZH) Standard colour: Black
Standard Put Up Length	305 metres

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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Physical Characteristics

Part Number	C5802
No of pairs	1
Nom. Conductor Configuration (AWG)	22(19x34)
Drain Wire size (AWG)	24(7x32)
Screen Coverage (%)	115
Nom. Overall Diameter (mm)	8.80
Operating Temperature (°C)	-20 / +60
Max. Recommend. Pulling Tension (N)	125
Min. Bend Radius (install) (mm)	88
Nominal Cable Weight (kg/km)	61

Electrical Characteristics

Part Number	C5802
No of pairs	1
Impedance (Ω)	150
Nom. DC Resistance Conductor (Ω /km)	58.3
Nom. DC Resistance Screen (Ω /km)	78.5
Capacitance core to core (pF /m)	29
Capacitance core to other cores.+screen (pF/m)	54
Nom. Inductance (μ H/m)	0.96
Nom. Velocity of Propagation (%)	78
Nom. Delay (ns/m)	4.27
Max. Operating Voltage (Vrms)	300
Nom. Attenuation (dB/100m)	
1	1.31
10	3.94
50	8.86
100	14.1
200	20.3
400	28.9

Reference Standards

(BS) EN 50290-2	IEC 61034, IEC 60332-3-24
IEC 60228	RoHS directives
IEC 60754-1 & 2	