

Installation J-H(St)H Cable

Overall Screen, HFFR/LSZH Sheath

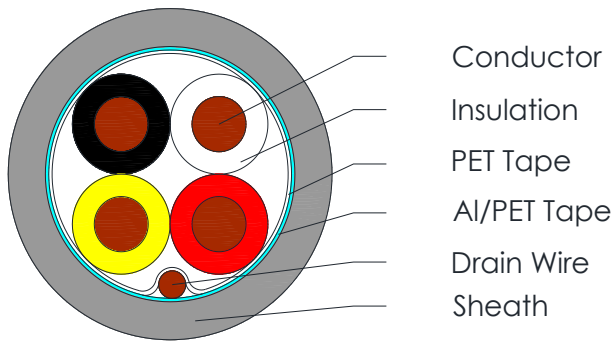


C5020

Applications

Screened cable used in Telephone and Fire Warning applications.

Cross Section Drawing



Design

Unit	Properties
Conductor	Solid Bare Copper wire
Insulation	Polyethylene (PE) Core 1, Black Core 2, Red Core 3, White Core 4, Yellow
Lay Up	4 cores stranded to a quad
Wrapping	PET foil
Drain Wire	Tinned Copper Wire, 0.4mm
Screen	Aluminum/Polyester 100% Coverage
Sheath Material	Halogen Free Flame Retardant (HFFR/LSZH) Color: Grey
Standard Put Up Length	305 or 500 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	C5020
No. of Cores	4
Diameter Conductor (mm)	0.80
Nom. Radial Thickness Insulation (mm)	0.3
Nom. Diameter Insulation (mm)	1.45
Nom. Radial Thickness Sheath (mm)	1.1
Nom. Overall Diameter (mm)	6.1
Flexing Temperature Range(°C)	-5 to +50
Fixed Installation Temperature Range(°C)	-30 to +70
Min. Single Bending Radius without tension (mm)	2.5*OD
Min. Repeated Bending under tension (mm)	7.5*OD
Nominal Cable Weight (kg/km)	70

Electrical Characteristics

Part Number	C5020
Max. DC Resistance Conductor (Ω /km)	37
Max. DC Loop (Ω /km)	73.5
Max. Mutual Capacitance at 800 Hz (nF/km)	120
Max. Capacitance Unbalance at 800 Hz (pF/100m)	300
Min. Insulation Resistance ($M\Omega$ *km)	100
Nom. Line Attenuation at 800Hz (dB/km)	1.5
Inductance (μ H/m)	0.75
Operating Voltage (Vrms)	300

Reference Standards

DIN VDE 0815	DIN VDE 0207
DIN VDE 0482-332-3-24	DIN EN 60332-3-24
DIN EN 50267-2-2	IEC 60754-2
DIN EN 61034-1&-2	BS7622-1 &-2
BS4066-3	RoHS Directives