Composite Cable

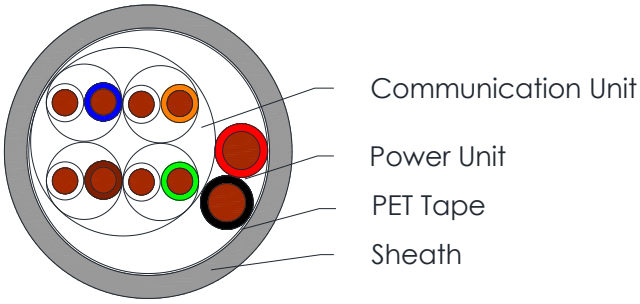
4PR 0.8mm² Communication + 2C1.0mm² Power with PVC Sheath

C4282

Applications

Control Cable for multimedia control systems.

Cross Section Drawing



Design

Component	Unit	Properties
Communication	Conductor	Solid Bare Copper wire
	Insulation	Polyethylene (PE) Pair1: White and Blue Pair2: White and Orange Pair3: White and Green Pair4: White and Brown
	Lay Up	2 cores twisted to a pair. 4pairs cabled together
Power	Conductor	Solid Bare Copper wire
	Insulation	Polyvinyl Chloride (PVC) Core 1, Black Core 2, Red
Overall	Wrapping Tape	PET Tape
	Sheath Material	Polyvinyl Chloride (PVC), 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	C4282	
Unit type	Communication	Power
No. of Cores	4pairs	2cores
Conductor Size(mm²)	0.80	1.0
Nom. Radial Thickness Insulation (mm)	0.30	0.40
Nom. Diameter Insulation (mm)	1.60	1.95
Nom. Radial Thickness Sheath (mm)	0.80	
Nom. Overall Diameter (mm)	11.3	
Operating Temperature (°C)	-25 to +75	
Min. Bend Radius (install) (mm)	113	
Nominal Cable Weight (kg/km)	126	

Electrical Characteristics

Conductor Size (mm²)	Max. Conductor Resistance (Ohm/km)	Capacitance core to core (pF/m)	Min. AC Dielectric Strength (KV)	Operating Voltage (Vrms)
0.80	23.1	55	1.0	-
1.00	18.1	-	1.5	220

Reference Standards

EN 50290-2
IEC 60332-1
RoHS Directives