

JY(ST)Y Signal Cable

1, 2, 4, 6 and 8 pairs x 0.8mm Solid Conductor
Overall Screen with PVC Sheath

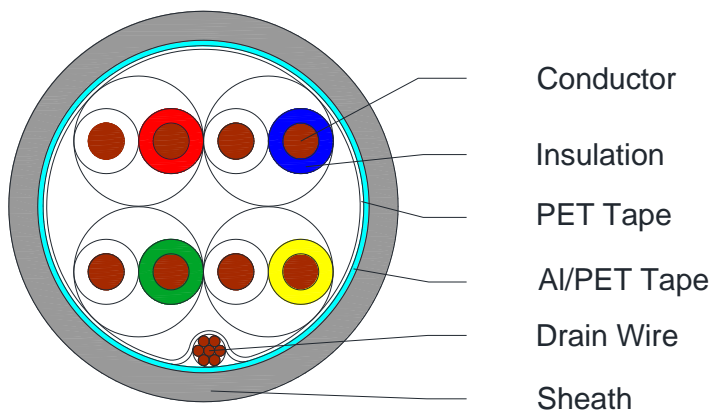


C4516, C1440, C1441, C1442, C1443

Applications

JY(st)Y Signal cable for measurement, regulation and control applications in low voltage installations.

Cross Section Drawing



Design

Unit	Properties
Conductor	Solid plain copper wire
Insulation	PVC
Pairing	Two wires twisted
Cabling	Pairs laid up in concentric layers
Wrapping	Plastic separating foil over cable core
Shielding	Tinned copper drain wire
	Aluminium/Polyester tape Coverage: 100%
Sheath	Flame-Retardant Polyvinyl Chloride (PVC) Standard colour: Grey & Fire Alarm: Red
Standard Put Up Length	305 meters

*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	C4516	C1440	C1441	C1442	C1443
No of Pairs	1	2	4	6	8
Nom. Conductor Diameter (mm)	0.8				
Nom. Overall Diameter(mm)	3.8	6.4	7.8	10.0	10.7
Operating Temperature (°C)	-30 to +70°C				
Min. Bend Radius (install)(mm)	38	64	78	100	107
Nominal Cable Weight (kg/km)	21	45	80	110	136

Electrical Characteristics at 20°C

Performance	Requirement
Max. Loop resistance (Ω /km)	73.2
Max. Capacitance at 800Hz (pF/m)	100
Capacitance unbalance pair to pair (pF/km)	3000
Capacitance unbalance pair to ground (pF/km)	3000
Min. insulation resistance ($M\Omega \cdot km$)	100
Break down voltage (V)	800
Max. Operating Voltage (V_{rms})	300

Color code

Pair No.	Color	Pair No.	Color
1	White + Red	5	White + Black
2	White + Blue	6	White-red + Red
3	White + Yellow	7	White-blue + Blue
4	White + Green	8	White-yellow + Yellow

Reference Standards

(BS) EN 50290-2
(BS) EN 50288
IEC 60332-1
RoHS directives