

Low Capacitance RS-485 Computer Cables

22AWG Overall Screen, SWA Armoured, HFFR/LSZH Sheath

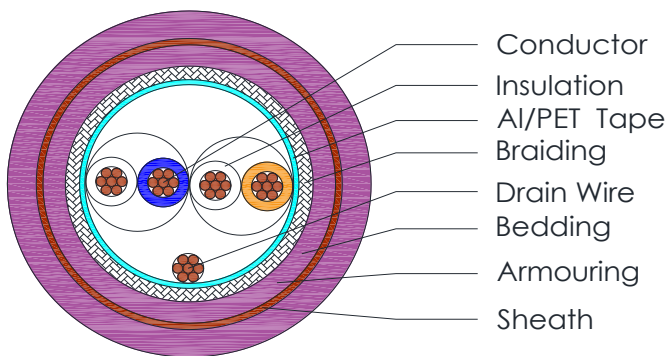


C5987

Applications

shipboard, harsh environment, IIoT, factory or process automation, video, audio, data communication, etc.

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper wire, flexible
Insulation	Foam PE Pair 1: WHITE/Blue + BLUE/White Pair 2: WHITE/Orange + ORANGE/White Pair 3: WHITE/Green + GREEN/White Pair 4: WHITE/Brown + BROWN/White
Cabling	N Pairs twisted together
Screen	Aluminium/Polyester 115% Coverage
Drain Wire	Tinned Copper wire
Braid	Tinned Copper wire
Bedding	Halogen Free Flame Retardant (HFFR/LSZH)
Armour	Galvanized Steel Wire
Sheath Material	Halogen Free Flame Retardant (HFFR/LSZH) Standard colour: Purple
Standard Put Up Length	305 or 500 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	C5987
Number of pairs	2
Conductor Gauge (AWG)	22
Conductor configuration (AWG)	7 x 30
Nom. Radial Thickness Insulation (mm)	0.6
Drain Wire Size (AWG)	24(7 x 32)
Coverage braid (%)	65
Nom. Radial Thickness Bedding (mm)	0.8
Nom. Diameter of Bedding (mm)	8.4
Nom. Radial Thickness Sheath (mm)	1.30
Nom. Overall Diameter (mm)	12.8
Operating Temperature (°C)	-25 / +75
Max. Pulling Tension (N)	355
Min. Bend Radius (install) (mm)	80
Nominal Cable Weight (kg/km)	76.7

Electrical Characteristics

Part Number	C5987
No of pairs	2
Max. DC Resistance Conductor (Ω /km)	57.4
Max. DC Resistance Screen (Ω /km)	20
Nominal Impedance (Ω)	120
Nom. Velocity of Prop.	78%
Max. Operating Voltage (Vrms)	300

Reference Standards

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