

# Low Capacitance RS-485 Computer Cables 22AWG Overall Screen, Copper Braid Armoured, HFFR/LSZH Sheath

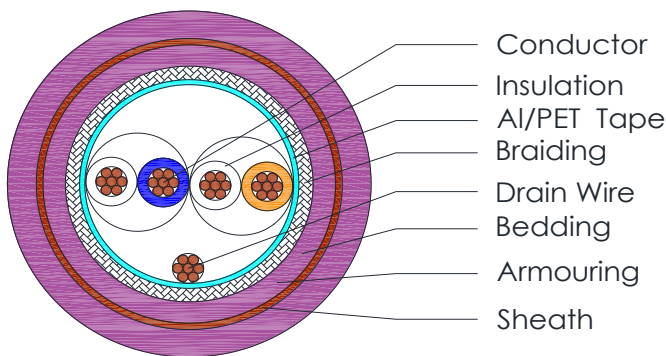


C5983

## 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	Bare Copper Braid Armour
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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C5983

## Physical Characteristics

Part Number	C5983
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)	12.2
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	C5983
No of pairs	2
Max. DC Resistance Conductor ( $\Omega$ /km)	57.4
Max. DC Resistance Screen ( $\Omega$ /km)	20
Nominal Impedance ( $\Omega$ )	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