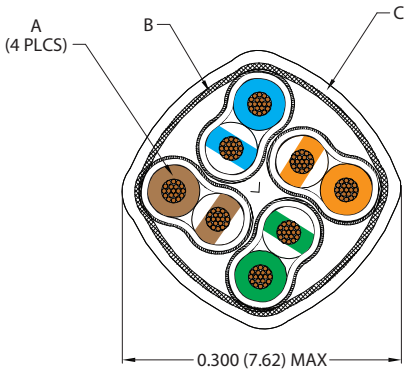
100 Ohm SpaceWire Type Cable, #24 AWG
963-080-24

Optimized for

El Ochito® RED

High-Bandwidth
100 Ohm applications



963-080-24

- 100 Ohm twisted pair shielded cable.
- -65 to +200 °C rated operating temperature
- FEP jacket, FEP insulation
- Dual shields: Aluminized Polyimide tape and silver-plated copper

NOTES

- Cable identified with manufacturer's name and part number.
- Cable is sold in 1 foot increments. Specify desired length on purchase order.

Cable Construction		
A	(4x) Data Pairs	100 Ohm (Nom.), Shielded Twisted Pair
	Conductors	24 AWG (19/36) High Strength Copper Alloy
	Insulation	FEP
	Colors	Blue, White/Blue Orange, White/Orange Green, White/Green Brown, White/Brown
	Binder	PTFE Tape
	Pair Shield	Aluminum/Polyimide tape
B	Outer Shield	Silver Plated Copper, 90% min. coverage
C	Outer Jacket	FEP White, Laser-Markable
Minimum bend radius: 1.25		
Weight: 19.0 g/ft		

Electrical Performance	
Dielectric withstanding Voltage (VRMS)	600
Differential Impedance	100 ± 6 Ohms
Intra-Pair Skew (Max.)	45 ps @ 5 meters
Insertion Loss (SDD21)	See Table 1

Environmental Properties	
Temperature Range	-65°C to 200°C

Table 1: Attenuation		
Frequency (Ghz)	dB / ft Typical	dB / ft Maximum
0.625	0.168	0.222
0.825	0.198	0.256
1.250	0.251	0.315
2.500	0.365	0.446
5.000	0.576	0.686
7.500	0.816	0.973
8.100	0.881	1.053

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