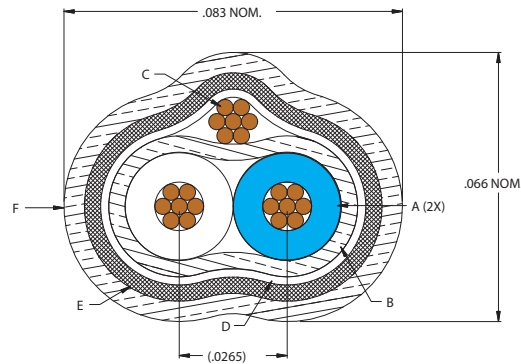


100 Ohm Differential Twisted Pair Cable with Drain, #30 AWG 963-065-30

Optimized for

 High-bandwidth
 applications up to 18 GHz



963-065-30

- -65 to +200 °C rated operating temperature
- FEP jacket, FEP insulation
- Shield: 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.	Primary Conductor	30 AWG 7/36 Silver-Plated high-strength copper alloy
	Primary Insulation	FEP (Color: White, Blue)
B.	Binder	ePTFE
C.	Drain Wire	30 AWG 7/38 SCA
D.	Fol	Silver-plated copper, 100% coverage
E.	Braid	Silver-plated copper, 90% coverage
F.	Jacket	FEP, white
Bend Radius: 0.5" min.		
Weight: 2.7 g/ft., nom.		

Electrical Performance

Dielectric Withstanding Voltage	600V AC
Differential Impedance	100 ± 6 Ohm
Insertion Loss	See Table 1
Skew	3 ps / ft., max.

Environmental Properties

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

Table 1: Attenuation

Frequency (GHz)	dB / ft Typical	dB / ft Maximum
1.0	0.37	0.47
2.5	0.60	0.73
5	0.84	1.04
7.5	1.04	1.28
10	1.22	1.50
15	1.54	1.90
18	1.76	2.13