75 Ohm Coaxial Cable

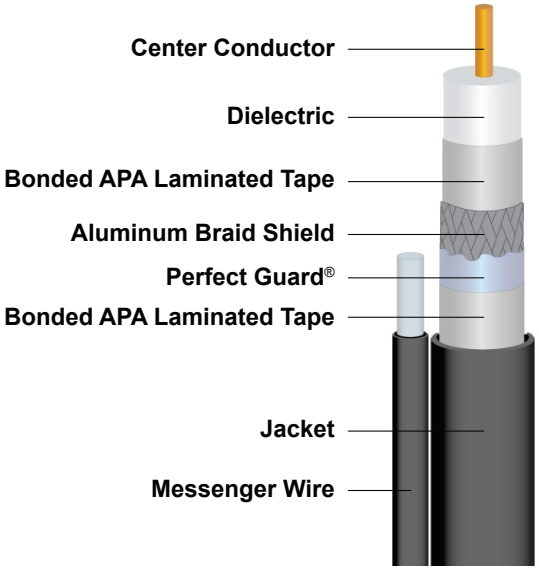
PerfectFlex® BROADBAND COAXIAL CABLE

P50ET77V4PRF

PPC® A BELDEN BRAND

General Description

P50 Series, Perfect Prep®, Tri-shield, 77% Braid, Perfect Guard®, Black PVC Jacket, 0.109" Messenger, Footage Marked, Reel Package



Mechanical Specifications

Specification	Value
Center Conductor	9 AWG Copper covered aluminum
Nominal Diameter	0.109" (2.77 mm)
Dielectric	Gas expanded, virgin polyethylene
Nominal Diameter Over Dielectric	0.455" (11.56 mm)

Shield Specifications

Specification	Value
1st Shield	APA-laminated tape bonded to dielectric
Nominal Diameter Over Tape	0.463" (11.76 mm)
2nd Shield	33 AWG aluminum braid wire; 77% coverage
3rd Shield	APA-laminated tape bonded to jacket

Jacket Specifications

Specification	Value
Jacket	Black PVC
Nominal Diameter Over Jacket	0.590" (14.99 mm)

Messenger Specifications

Specification	Value
Messenger	Galvanized steel; 0.109" (2.77 mm)

Performance Specifications

Specification	Value
NEC Rated	None
Characteristic Impedence	75 +/- 3 Ohms
Nominal Velocity Propagation	85%

Packaging Specifications

Specification	Value
Cable Length per Reel	1000 ft (305 m)
Packaging Dimensions	30" diameter x 18" traverse (762 mm x 457 mm)
Shipping Weight per Reel	190 lbs/1000 ft



*Unless otherwise specified, dimensions, material, electrical and mechanical specifications shall comply with ANSI SCTE 74 *Cable image for reference only. Please refer to jacket description for color.*

Performance Specifications

Frequency (MHz)	Maximum (dB/100ft)	Maximum (dB/100m)
5	0.21	0.69
55	0.60	1.97
211	1.16	3.81
250	1.27	4.17
300	1.39	4.56
350	1.50	4.92
400	1.61	5.28
450	1.71	5.61
500	1.80	5.91
550	1.89	6.20
600	1.98	6.50
750	2.23	7.32
870	2.40	7.87
1000	2.59	8.50
1300	2.99	9.79
1500	3.26	10.68
1800	3.63	11.89
2000	3.87	12.68
2200	4.10	13.43
2300	4.30	14.09

Attenuation (max corrected to 20°C)

RoHS COMPLIANT

This product may be protected by one or more patents • For further information, please visit: www.ppc-online.com/patents