

F1160 BV 2200-MHz 75 Ohm Coaxial Cable 5916 Satellite Series

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**ISO 9001
REGISTERED**



Cable weight Kg/Km: 108,0

INNER CONDUCTOR:

14 AWG Copper clad steel
Nominal diameter: 1,63 mm

DIELECTRIC:

Gas expanded polyethylene
Nominal diameter over dielectric: 7,11 mm

SHIELD:

1. Bonded Aluminum/Poly foil 100% Coverage
2. 34 AWG Aluminum braid 60% Coverage
Nominal diameter over braid: 7,90 mm

JACKET:

Black Flame retardant PVC
Nominal diameter over jacket: 10,29 mm
Thickness: 0,91 mm

RETURN LOSS:

5 – 470 MHz: 20 dB
470-860 MHz: 20 dB
860–2200 MHz: 15 dB / 100% Swept tested

ELECTRICAL PROPERTIES:

Impedance at 200 MHz: 75.0 +/- 3.0 Ohms
Velocity of propagation: 82% NOMINAL
Screen efficiency from 5-900 MHz: > 85 dB Nom.
Screen efficiency from 900-2200: > 75 dB Nom.
Nom Capacitance: 53,1 pF/m
Conductor resistance innerc: 39,4Ω/km
Conductor resistance outerc: 23,3Ω/km
Sparker test dielectric inner to outer cond: 4000 VDC
Sparker test Sheat (Jacket): 2000 VAC

MECHANICAL CHARACTERISTICS:

Circular tolerance: < 3%
Max tensile strengt: 1600 N
Min bendradius loaded: 206 mm
Temperature installation: -10°C - 55°C
Temperautre operating: -35°C - 75°C

STANDARDS

Flame Retardant: IEC 332-1
Cenelec approved: EN-50117

ATTENUATION: @ 20°C

Frequency MHz	dB/100 m (Nom)
1 MHz	0,72 dB
10 MHz	1,61 dB
50 MHz	3,21 dB
100 MHz	4,23 dB
200 MHz	6,04 dB
400 MHz	8,79 dB
700 MHz	12,04 dB
900 MHz	13,94 dB
1000 MHz	14,83 dB
1200 MHz	16,10 dB
1450 MHz	17,68 dB
1800 MHz	19,71 dB
2200 MHz	21,78 dB

CommScopes local agent in Greece

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F1177TSV

75 Ohm Coaxial Cable

Drop Cable Class A

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PRODUCT DESCRIPTION:

BONDED FOIL, 77% BRAID, NON-BONDED TAPE, PVC JACKET

CENTER CONDUCTOR:

14 AWG COPPER-CLAD STEEL
 NOMINAL DIAMETER: 0.064" (1.63 mm)

DIELECTRIC:

GAS EXPANDED POLYETHYLENE
 NOMINAL DIAMETER OVER DIELECTRIC: 0.280" (7.11 mm)

SHIELD:

1ST SHIELD: ALUMUNUM-POLYPROPYLENE-ALUMINUM
 LAMINATED TAPE WITH OVERLAP BONDED TO THE DIELECTRIC
 NOMINAL DIAMETER OVER TAPE: 0.287" (7.29 mm)
2ND SHIELD: 34 AWG ALUMINUM BRAID WIRE
 77% COVERAGE
3RD SHIELD: NON-BONDED FOIL SHIELD

JACKET:

PVC JACKET
 NOMINAL DIAMETER OVER JACKET: 0.400" (10.16 mm)
 NOMINAL JACKET THICKNESS: 0.039" (0.99 mm)

Center Conductor

Dielectric

Bonded Aluminum
 Foil Shield

Aluminum Braided Shield

Additional Aluminum
 Foil Shield

PVC Jacket



ELECTRICAL PROPERTIES:

IMPEDANCE: 75.0 +/- 3.0 Ohms
 VELOCITY OF PROPAGATION: 85.0% NOMINAL
 ATTENUATION: @ 68°F (20°C)

Shipping Weight (Lbs.)/1000': 69 lbs.

@ Frequency MHz	dB/100 ft. (MAX.)	dB/100 meters (MAX.)
5 MHz	0.38 dB	1.25 dB
55 MHz	0.96 dB	3.15 dB
83 MHz	1.18 dB	3.87 dB
187 MHz	1.75 dB	5.74 dB
211 MHz	1.90 dB	6.23 dB
250 MHz	2.05 dB	6.72 dB
300 MHz	2.25 dB	7.38 dB
350 MHz	2.42 dB	7.94 dB
400 MHz	2.60 dB	8.53 dB
450 MHz	2.75 dB	9.02 dB
500 MHz	2.90 dB	9.51 dB
550 MHz	3.04 dB	9.97 dB
600 MHz	3.18 dB	10.43 dB
750 MHz	3.65 dB	11.97 dB
865 MHz	3.98 dB	13.05 dB
1000 MHz	4.35 dB	14.27 dB

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