4846103 | F1177TSEF XP ORG

XPRESSPREP® Coaxial Drop Cable, 75 Ohm, Series 11, orange PE jacket, flooded for underground

OBSOLETE

Product Classification

Product Type	Coaxial drop cable
Product Brand	XPRESSPREP®
Product Series	11 Series
Warranty	One year

General Specifications

Cable Type	Series 11
Center Conductor Type	Solid
Jacket Color	Orange
Jacket Marking	Feet
Performance Note	Attenuation listed represents maximum values at standard condition of 20 °C (68 °F)
Shield Construction Type	Trishield

Dimensions

Diameter Over Center Conductor, nominal	1.626 mm | 0.064 in
Diameter Over Dielectric, nominal	7.112 mm | 0.28 in
Diameter Over Inner Shield (Tape), nominal	7.29 mm | 0.287 in
Diameter Over Jacket, nominal	10.16 mm | 0.4 in
Jacket Thickness, nominal	0.991 mm | 0.039 in
Center Conductor Gauge	14 AWG
Inner Shield (Braid) Gauge	34 AWG

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Electrical Specifications

Capacitance	53.15 pF/m | 16.2 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
dc Resistance Note	Nominal values based on a standard condition of 20 °C (68 °F)
dc Resistance, Inner Conductor, nominal	41.011 ohms/km | 12.5 ohms/kft
dc Resistance, Loop, nominal	55.118 ohms/km | 16.8 ohms/kft
dc Resistance, Outer Conductor, nominal	14.108 ohms/km | 4.3 ohms/kft
Nominal Velocity of Propagation (NVP)	85 %
Operating Frequency Band	5–3000 MHz
Structural Return Loss, Grade A	≥15 dB @ 1801–3000 MHz | ≥20 dB @ 5–1800 MHz

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5.0	1.25	0.38
55.0	3.15	0.96
83.0	3.87	1.18
85.0	3.9	1.19
187.0	5.74	1.75
204.0	6.14	1.87
211.0	6.23	1.9
250.0	6.72	2.05
300.0	7.38	2.25
350.0	7.94	2.42
400.0	8.53	2.6
450.0	9.02	2.75
500.0	9.51	2.9
550.0	9.97	3.04
600.0	10.43	3.18
750.0	11.97	3.65
865.0	13.05	3.98
1000.0	14.27	4.35
1218.0	16.14	4.92
1300.0	16.44	5.01

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1400.0	17.13	5.22
1500.0	17.79	5.42
1600.0	18.44	5.62
1700.0	19.08	5.81
1794.0	19.66	5.99
1800.0	19.7	6
2000.0	20.89	6.37
2200.0	22.05	6.72
2500.0	23.7	7.22
2800.0	25.28	7.71
3000.0	26.3	8.02

Material Specifications

Center Conductor Material	Copper-clad steel
Dielectric Material	Foam PE
Jacket Material	PE
Inner Shield (Braid) Coverage	77 %
Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA) bonded
Outer Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA) bonded

Environmental Specifications

Corrosion Protection	Migraheal®
Environmental Space	Buried

Packaging and Weights

Packaging Type	Reel
Weight, gross	77.385 kg/km | 52 lb/kft

Regulatory Compliance/Certifications

Agency	**Classification**
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

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