

SERIES 11, DUAL SHIELD, 60%, PVC, 0.072" MESSENGER

Outdoor Use

CONSTRUCTION CHARACTERISTICS

Conductor	Material:	Copper-Clad Steel
	Nominal OD:	0.064" \pm 1% (1.63mm \pm 1%)
Dielectric	Material:	OIT Stable, Foamed PE
	Nominal OD:	0.280" (7.11 mm)
Foil Shield	Material:	AL/PET/AL/EAA
	Shield Core OD:	0.288 \pm 0.006 inches (7.32 \pm 0.15 mm)
	Foil Shield Coverage:	100% (18% min. - 35% max. Overlap)
Braid Shield	Material:	34 AWG Aluminum Alloy
	Braid Coverage	60%
Corrosion Treatment	Material:	SafeGuard NT
Jacket(s)	Nominal OD	.400 \pm 0.010 inches (10.16 \pm 0.25 mm)
	Material	UV Stable PVC (-20°C Cold Impact)
	Color	Black
Messenger	Material:	0.072 \pm 0.002" (1.83 \pm 0.05mm)
	Minimum Break Strength	Galvanized Steel 346 lbf (156.9 kgf)


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ELECTRICAL CHARACTERISTICS

Impedance:	75 Ohms \pm 3 Ohms
Velocity of Propagation:	\geq 82%C
Capacitance:	16.2 PF/ft.
Conductor DC Resistance:	\leq 12.3 Ohms/kft (40.4 Ohms/km) Max @20°C
Loop DC Resistance:	\leq 18.8 Ohms/kft (61.7 Ohms/km) Max @20°C
Swept Tested:	5 MHz~3000 MHz

Attenuation @ 68°F (20°C)

Frequency (MHz)	dB/100ft.	(dB/100m)
5	0.38	1.25
55	0.96	3.16
211	1.90	6.25
250	2.05	6.74
270	2.13	7.01
300	2.25	7.40
330	2.35	7.73
350	2.42	7.96
400	2.60	8.55
450	2.75	9.05
500	2.90	9.54
550	3.04	10.00
600	3.18	10.46
750	3.65	12.01
870	4.06	13.36
1000	4.35	14.31
1450	5.34	17.57
1750	6.00	19.74
2000	6.42	21.12
2050	6.50	21.38
2150	6.67	21.94
3000	7.90	25.99

MECHANICAL CHARACTERISTICS

Operating Temperature:	-30°C through +65°C
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PACKAGING

Packaging:	1,000 ft (305m) Wooden Reel (R1K)
Shipping Weight:	R1K=86.0 lbs.
Footage Markers:	Every 39 inches (1 meter) minimum

ANATEL

Homologation:	07496-17-10859
Annex Resolution:	#467 2007