

24-8 AWG Plenum

Bare Copper Communication Cable



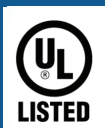
Reliable cable designed for IP-based systems.

- Fully compliant with UL code 444 and TIA-568-C.2 fire safety standards.
- Safe for indoor installations in air-handling spaces.
- Rated up to 350 MHz, ideal for high-speed voice and data applications.



Specifications

Part Number	RP7500097
Mechanical Properties	
Length	1,000 ft
Weight	20 lbs
Nominal Diameter	0.180"
Temperature	Installation: 32°F to 140°F (0°C to 60°C) Operational: -4°F to 167°F (-20°C to 75°C)
Construction Properties	
Conductor	24 AWG solid bare copper per ASTM B-3
Cabling	4 pairs cabled together
Insulation	Fluoropolymer & Polyolefin
Jacket	White Plenum PVC, Low Smoke, Flame-Retardant PVC
Certification and Performance Standards	
Performance Standards	ETL Verified ANSI/TIA-568.2-D UL Subject 444 Communications Cables UL Listed c(UL)us Type CMP NFPA 262 (UL 910) Plenum Flame Test NEC Article 800 ICEA S-90-661 California State Fire Marshal RoHS compliant
Electrical Properties	
Volts	300 V
Applications	
Commercial infrastructure and harsh environment telecoms.	



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Transmission Throughout

Char. Impedance Freq. (MHz)	Char. Impedance (Ohms) (+/-15)	Return Loss (dB) (Min.)	Attenuation dB / 100m (Max.)	NEXT dB / 100m (Min.)	PSNEXT dB / 100m (Min.)	ACRF dB / 100m (Min.)	PSACRF dB / 100m (Min.)
1	100	20	2	65.3	62.3	63.8	60.8
4	100	23	4.1	56.3	53.3	51.7	48.7
8	100	24.5	5.8	51.8	48.8	45.7	42.7
10	100	25	6.5	50.3	47.3	43.8	40.8
16	100	25	8.2	47.3	44.3	39.7	36.7
20	100	25	9.3	45.8	42.8	37.7	34.7
25	100	24.3	10.4	44.3	41.3	35.8	32.8
31.25	100	23.6	11.7	42.9	39.9	33.9	30.9
62.5	100	21.5	17	38.4	35.4	27.8	24.8
100	100	20.1	22	35.3	32.3	23.8	20.8
150	100	18	32.4	30.8	27.8	20	14.7
200	100	16.3	44.8	27.5	24.2	17	9.9

* Values above 100 MHz are for Engineering Information

