

PTL400 Outer Conductor Braided Cable

PTL400 low loss braided cable, suitable for antenna feeder systems.

PTL400 | 50Ω | 50Ω PTL Series Braided Coaxial Cable

Custom lengths, connectors and pre-assembled jumpers are available. Send us your specification for a quotation.

TECHNICAL DATA

Technical parameters

Source: 2026 Technical Selection Manual

STRUCTURE

Inner conductor	copper-clad aluminum (CCA) wire 2.74 ± 0.02 mm 2. insulation foam PE 7.24 ± 0.15 mm
Outer conductor	double self-adhesive aluminum foil + tinned copper braid 8.20 ± 0.20 mm
Jacket	PE or LSZH polyolefin 10.29 ± 0.18 mm

ELECTRICAL

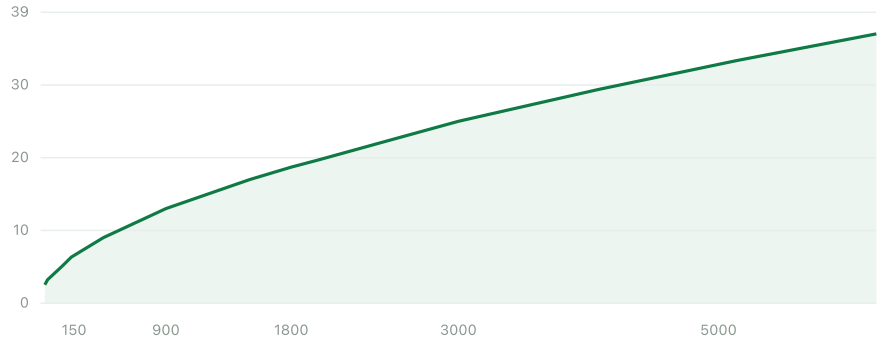
Characteristic impedance	50 ± 2 Ω
Velocity of propagation	85 % capacitance 78 pF/m
DC breakdown voltage	2500 V jacket spark test voltage 4000 Vrms

VSWR	30–3000 MHz ≤1.20

MECHANICAL & ENVIRONMENT

Min. bending radius	25.4 mm installation temperature −40 °C ~ +60 °C (PE); −20 °C ~ +60 °C (LSZH) operating temperature −55 °C ~ +85 °C (PE); −30 °C ~ +80 °C (LSZH) storage temperature −70 °C ~ +85 °C (PE); −30 °C ~ +80 °C (LSZH)

ATTENUATION & POWER



Attenuation in dB/100 m at 20 °C, nominal values (±5%).

MHz	dB/100m	MHz	dB/100m
30	2.49	1800	18.4
50	3.18	2000	19.4
150	4.92	2500	22
220	6.23	3000	24.6
450	8.86	4000	28.87
900	12.8	5000	32.81
1500	16.7	6000	36.42

Product description

The PTL400 50 Ohm Braiding Coaxial Cable is a top-tier option for RF transmission, designed to excel in high-frequency environments. This cable is distinguished by its high-density polyethylene foam dielectric, which ensures a low signal loss and a wide operational bandwidth. The PTL400

features an extra-durable, UV-stable jacket that stands up to harsh conditions, making it for long-term outdoor