

PTL900 Braided Outer Conductor Cable

Large 7/8" braided-outer-conductor cable with copper tube inner conductor and foam PE dielectric, VSWR <=1.20 (30-2700MHz), min bend radius 76.2mm, for base station feeders and DAS trunks; PE or LSZH jacket.

IMPEDANCE	OUTER DIAMETER
50 ± 2 Ω	**25 mm**
MAX. FREQUENCY	
per size 3 ~ 6 GHz	

PTL900 | 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	smooth / helical corrugated copper tube 17.3 mm insulation foam PE 19.4 mm
Outer conductor	helical corrugated copper tube 22.1 mm
Jacket	black PE / LSZH 25.0 mm

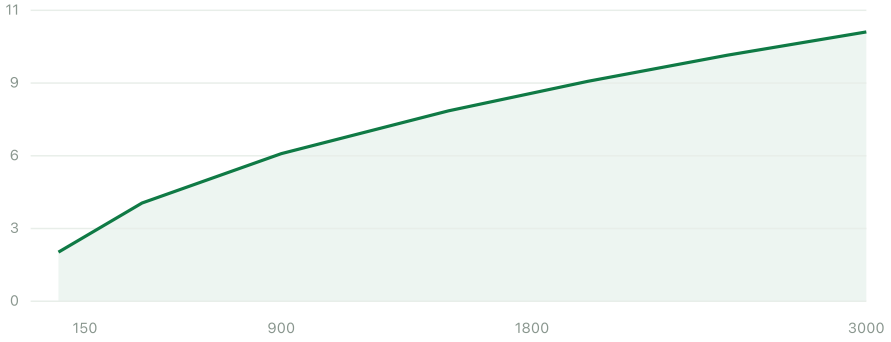
ELECTRICAL

Characteristic impedance	50 ± 2 Ω
Nominal capacitance	78 ± 3 pF/m
Velocity of propagation	85 % inner conductor CCA Ø9.0 mm attenuation @900 MHz 5.8 dB/100m
Peak power	≈ 30 kW shielding attenuation ≥ 90 dB
Max. frequency	per size 3 ~ 6 GHz
Insulation resistance	≥ 5000 MΩ·km operating temperature range PE −40 ~ +85 °C; PVC −25 ~ +70 °C

MECHANICAL & ENVIRONMENT

Applications	replacement for smaller feeders

ATTENUATION & POWER



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

MHz	dB/100m	MHz	dB/100m
100	1.93	2000	8.64
400	3.86	2500	9.66
900	5.8	3000	10.58
1500	7.48		

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