

PTL1200 Braided Outer Conductor Cable

Extra-large 1-1/4" braided-outer-conductor cable with 8.86mm copper tube inner conductor and foam PE dielectric, VSWR <=1.25 (30-2500MHz), lower attenuation for high-power long feeder runs; PE or LSZH jacket.

IMPEDANCE	OUTER DIAMETER
50 ± 2 Ω	**33.5 mm**
MAX. FREQUENCY	
per size 3 ~ 6 GHz	

PTL1200 | 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 copper tube 24.0 mm insulation foam PE 26.5 mm
Outer conductor	helical corrugated copper tube 30.5 mm
Jacket	black PE / LSZH 33.5 mm

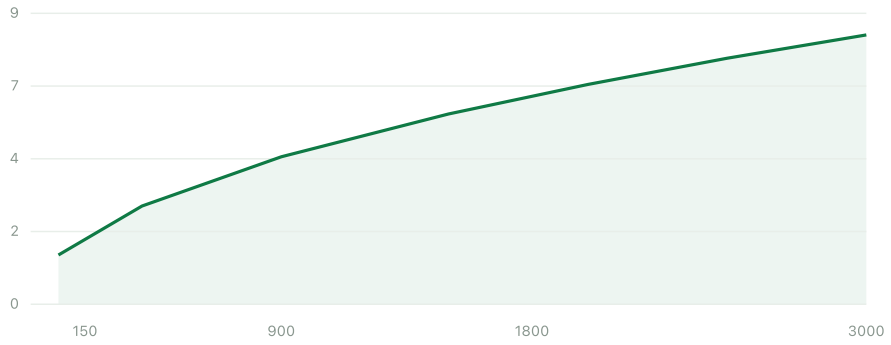
ELECTRICAL

Characteristic impedance	50 ± 2 Ω
Nominal capacitance	78 ± 3 pF/m
Velocity of propagation	85 % inner conductor CCA Ø12.2 mm attenuation @900 MHz 4.4 dB/100m
Peak power	≈ 45 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	trunk replacement

ATTENUATION & POWER



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

MHz	dB/100m	MHz	dB/100m
100	1.47	2000	6.56
400	2.93	2500	7.34
900	4.4	3000	8.04
1500	5.68		

Product description

Extra-large 1-1/4" braided-outer-conductor cable with 8.86mm copper tube inner conductor and foam PE dielectric, VSWR <=1.25 (30-2500MHz), lower attenuation for high-power long feeder runs; PE or LSZH jacket.