

TELLU® 7 COAXIAL CABLE for CATV-networks, EN 50117-2-3

CONSTRUCTION



Inner conductor	AlCu/Cu wire	Ø 1.7 mm
Dielectric	Cellular polyethylene	Ø 7.3 mm
Outer conductor	Corrugated copper tube	Ø 8.2 mm
Sheath	See Jacketing Options table below	Ø 11.0 mm
Marking	EN50117-2-3 10 Class A Euro-class n, Draka, cable type, work number, manufacture week, year, CPR class and meter mark	

ELECTRICAL CHARACTERISTICS at +20°C

Characteristic impedance	75 ± 2 Ω
Return loss acc. to EN50117-2-3 for	
- 5 - 30 MHz	26 dB
- 30 - 470 MHz	26 dB
- 470 - 1000 "	23 dB
Attenuation	see table
Velocity factor	0.87
Capacitance	51 pF/m
Screening class	A++

MECHANICAL CHARACTERISTICS

Weight	113 kg/km 137 kg/km (Tellu-HF)
Maximum pulling force	600 N
Crush strength	900 N/100 mm
Minimum bending radius	
- single bending	85 mm
- repeated bending	170 mm
Operating temperature range	-55...+80°C
Minimum installation temperature	see table below

ATTENUATION

Frequency MHz	Attenuation (max) ambient temperature 20°C dB/100 m
68	2.90
108	3.68
174	4.70
230	5.44
300	6.24
400	7.26
470	7.90
606	9.04
790	10.4
860	10.9
1750	16.0
2050	17.5

JACKETING OPTIONS

TYPE	JACKET	IEC60754-2 Halogen free, non corrosive	CPR class	UV retardancy	Min. installation temperature
TELLU 7	Black, halogen free polyethylene	yes	no	yes	-20°C (-40°F)
TELLU-HF C-Pro 7 Grey	Grey, halogen free fire retardant thermoplastic	yes	Cca-s1d1a1	no	-5°C (-4°F)
TELLU-HF C-Pro 7 Black	Black, halogen free fire retardant thermoplastic	yes	Cca-s1d1a1	yes	-5°C (-4°F)

© PRYSMIAN GROUP 2014, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.