

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

**CONSTRUCTION**



Inner conductor	AlCu 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	Draka, cable type, manufacture week, year and metre mark	

**ELECTRICAL CHARACTERISTICS at +20°C**

Characteristic impedance	75 ± 2 Ω
Return loss for	
- 30 - 470 MHz	23 dB
- 470 - 860 "	18 dB
Attenuation	see table
Velocity factor	0.87
Capacitance	51 pF/m

**MECHANICAL CHARACTERISTICS**

Weight	113 kg/km 137 kg/km (GHF, BHF)
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	EN 50267-1 EN 50267-2-1 EN 50267-2-2 Halogen free, non corrosive	EN 50268-1 EN 50268-2 low smoke emission	EN 50266-1 EN 50266-2-4 fire retardant	UV retardancy	Min. installation temperature
TELLU 7	Black, halogen free polyethylene	yes	no	no	yes	-20°C (-40°F)
TELLU 7 GHF	Grey, halogen free fire retardant thermoplastic	yes	yes	yes	no	-5°C (-4°F)
TELLU 7 BHF	Black, halogen free fire retardant thermoplastic	yes	yes	yes	yes	-5°C (-4°F)