

TELLU 5 COAXIAL CABLE for CATV-networks, EN 50117-2-3

CONSTRUCTION



Inner conductor	AlCu wire	Ø 2.8 mm
Dielectric	Cellular polyethylene	Ø 11.8 mm
Outer conductor	Corrugated copper tube	Ø 13.1 mm
Sheath	See Jacketing Options table below	Ø 16.5 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	26 dB
- 470 - 860 "	21 dB
Attenuation	see table
Velocity factor	0.87
Capacitance	51 pF/m

MECHANICAL CHARACTERISTICS

Weight	214 kg/km 262 kg/km (GHF, BHF)
Maximum pulling force	1000 N
Crush Strength	1500 N/100 mm
Minimum bending radius	
- single bending	125 mm
- repeated bending	250 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	1.84
108	2.34
174	3.00
230	3.48
300	4.01
400	4.68
470	5.11
606	5.87
790	6.80
860	7.13
1750	10.7
2050	11.7

JACKETING OPTIONS

TYPE	JACKET	EN 50267-1 EN 50267-2-1 EN 50267-2-2 Halogen free, non corrosive	EN 50268-1 EN50268-2 low smoke emission	EN 50266-1 EN 50266-2-4 fire retardant	UV retardancy	Min. installation temperature
TELLU 5	Black, halogen free polyethylene	yes	no	no	yes	-20°C (-40°F)
TELLU 5 GHF	Grey, halogen free fire retardant thermoplastic	yes	yes	yes	no	-5°C (-4°F)
TELLU 5 BHF	Black, halogen free fire retardant thermoplastic	yes	yes	yes	yes	-5°C (-4°F)