

**TELLU 3 COAXIAL CABLE for CATV-networks, EN50117-2-3**

**CONSTRUCTION**



Inner conductor	Copper wire	Ø 4.2 mm
Dielectric	Cellular polyethylene	Ø 17.6 mm
Outer conductor	Corrugated copper tube	Ø 19.1 mm
Sheath	See Jacketing Options table below	Ø 23.1 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	476 kg/km
Maximum pulling force	2000 N
Crush strength	2000 N/100 mm
Minimum bending radius	
- single bending	180 mm
- repeated bending	360 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	1.24
108	1.59
174	2.04
230	2.38
300	2.74
400	3.21
470	3.52
606	4.05
790	4.71
860	4.95
1750	7.50
2050	8.25

**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 3	Black, halogen free polyethylene	yes	no	no	yes	-20°C (-40°F)
TELLU 3 GHF	Grey, halogen free fire retardant thermoplastic	yes	yes	yes	no	-5°C (-4°F)
TELLU 3 BHF	Black, halogen free fire retardant thermoplastic	yes	yes	yes	yes	-5°C (-4°F)