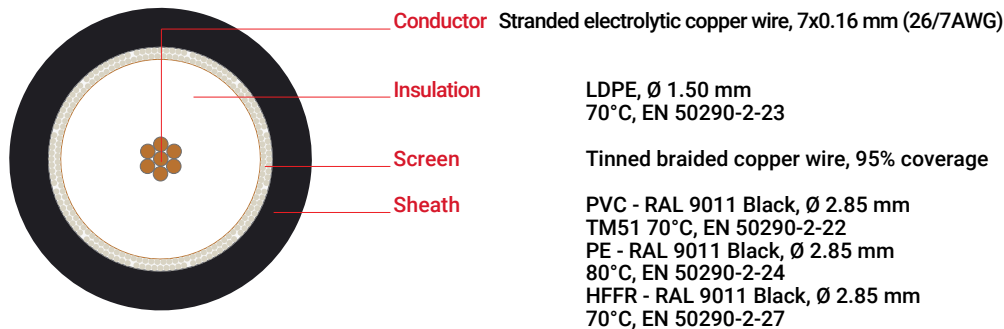




Cable structure



Application

Cables with a rated impedance of 50 ohms comply with MIL-C-17 and are used in radio and wireless communications, RFID, WiFi, Distributed antenna systems (DAS), Wireless Internet (WISP), Global positioning (GPS) systems, defence industry and telecommunication systems. Cables with polyethylene sheath are preferable in outdoor and underground installations while the halogen-free version is mainly intended for areas that require fire resistance.

Standards MIL-C-17F, MIL-C-17G

Fire performance

Vertical flame propagation EN 60332-1-2
 Corrosive gas EN 60754-1/2
 Smoke density EN 61034-2

EU declaration of conformity

LVD	Low Voltage Directive	2014/35/EU
RoHS	Restriction of Hazardous Substances	2011/65/EU

Specifications

Operating temperature		-30°C ...+70°C
Bending radius	min.	10 x D
Impedance		50 ± 3 Ω
Capacitance		101 ± 2 pF/m
Velocity of propagation		(66 ± 2)%
Insulation resistance	min.	2 GΩ x km
Operating voltage	max.	1600 V
Test voltage		4500 V
Attenuation @20°C	max.	1 MHz 6.35 dB/100 m
		10 MHz 11.12 dB/100 m
		50 MHz 20.94 dB/100 m
		100 MHz 29.30 dB/100 m
		200 MHz 42.58 dB/100 m
		400 MHz 64.30 dB/100 m
		700 MHz 92.22 dB/100 m
		900 MHz 109.3 dB/100 m
		1000 MHz 117.5 dB/100 m

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]	Sheath colour	Packaging [m]
305051	RG 174 U PVC	2.85	7	14	Black (RAL 9011)	500/1000
305058	RG 174 U PE	2.85	7	12	Black (RAL 9011)	500/1000
305065	RG 174 U HFFR	2.85	7	14	Black (RAL 9011)	500/1000
305073	2xRG 174 U PVC	2.85x5.70	14	28	Black (RAL 9011)	500/1000

Specifications may vary depending on technical modifications.