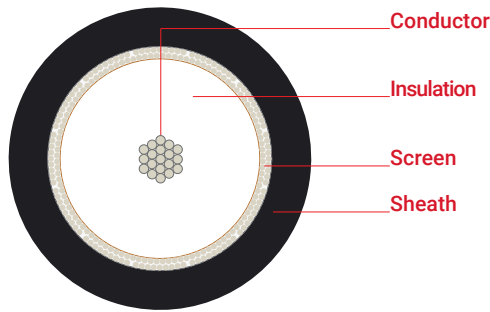




Cable structure



Stranded tinned copper wire, Ø 19x0.18 mm

LDPE, Ø 2.95 mm
70°C, EN 50290-2-23

Tinned braided copper wire, 95% coverage

PVC - RAL 9011 Black, Ø 4.95 mm
TM51 70°C, EN 50290-2-22
PE - RAL 9011 Black, Ø 4.95 mm
80°C, EN 50290-2-24
HFFR - RAL 9011 Black, Ø 4.95 mm
70°C, EN 50290-2-27

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 (PVC-HFFR)
Corrosive gas EN 60754-1/2 (HFFR)
Smoke density EN 61034-2 (HFFR)

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.	2000 V
Test voltage		5000 V
Attenuation @20°C	max.	1 MHz 1.33 dB/100 m
		10 MHz 4.41 dB/100 m
		50 MHz 10.69 dB/100 m
		100 MHz 16.00 dB/100 m
		200 MHz 24.38 dB/100 m
		400 MHz 38.00 dB/100 m
		700 MHz 55.39 dB/100 m
		900 MHz 66.00 dB/100 m
		1000 MHz 71.11 dB/100 m

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]	Sheath colour	Packaging [m]
305052	RG 58 C/U PVC	4.95	17	38	■ Black (RAL 9011)	500/1000
305059	RG 58 C/U PE	4.95	17	32	■ Black (RAL 9011)	500/1000
305066	RG 58 C/U HFFR	4.95	17	38	■ Black (RAL 9011)	500/1000

Specifications may vary depending on technical modifications.