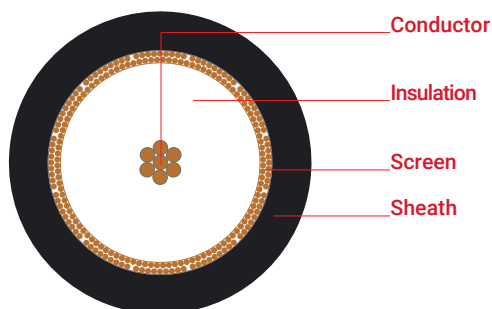




Cable structure



Stranded electrolytic copper wire, 7x0.75 mm

LDPE, Ø 7.25 mm
70°C, EN 50290-2-23

Electrolytic braided copper wire, 95% coverage

PVC - RAL 9011 Black, Ø 10.3 mm
TM51 70°C, EN 50290-2-22
PE - RAL 9011 Black, Ø 10.3 mm
80°C, EN 50290-2-24
HFFR - RAL 9011 Black, Ø 10.3 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.	5000 V	
Test voltage		10000 V	
Attenuation @20°C	max.	1 MHz	0.81 dB/100 m
		10 MHz	2.09 dB/100 m
		50 MHz	4.64 dB/100 m
		100 MHz	6.75 dB/100 m
		200 MHz	10.03 dB/100 m
		400 MHz	15.25 dB/100 m
		700 MHz	21.80 dB/100 m
		900 MHz	25.75 dB/100 m
		1000 MHz	27.64 dB/100 m

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]	Sheath colour	Packaging [m]
305053	RG 213 U PVC	10.3	70	155	■ Black (RAL 9011)	500/1000
305060	RG 213 U PE	10.3	70	135	■ Black (RAL 9011)	500/1000
305067	RG 213 U HFFR	10.3	70	155	■ Black (RAL 9011)	500/1000

Specifications may vary depending on technical modifications.