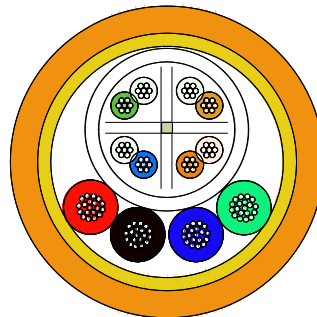


Ethernet Cable

rcuuwcaw44480 / rcuuwcat0044480



Construction Characteristics

Ethernet element	(CAT 6) 2 x 0,2 mm ² (24 AWG) Stranded copper conductor.
Conductor	1 mm ² (18 AWG) bare copper conductor insulated with special
Inner jacket	Polyurethane, nominal thickness 1,2 mm, nominal OD 12,9 mm, blue
Strength member	Aramid yarn braid, nominal thickness approx 0,4 mm
Outer jacket	Polyurethane, nominal thickness 1,2 mm. Colour orange

Mechanical Characteristics

Diameter	13.5 mm ±0.5 mm
Weight in air	170 kg/km
Weight in seawater	57 kg/km
Min. bending radius	135 mm
Strength breaking load	5500 N
Electrical characteristics	
Operating voltage	1,000 V for 1 mm ² conductor
Test voltage	4.000 Vac x 10 min for 1 mm ² conductor 1,5 kVac x 1 min for 4 x 2 AWG26 (cat. 6) (cond. - cond.)
Conductor resistance	19.5 Ω/km max for 1 mm ² conductor 145 Ω/km max for 4 x 2 AWG26 (cat. 6)
Insulation resistance	≥ 5 GΩxkm for 1 mm ² conductor + 4 x 2 AWG26 (cat. 6)

4 x 2 x 24 AWG (CAT6)

Capacitance	52 pF/m (cond. - cond.)
Nominal impedance	100±15Ω (1-100 MHz)
Max attenuation	≤3,2 dB/100 m at 1,0 MHz ≤8,9 dB/100 m at 10,0 MHz ≤12,6 dB/100 m at 20,0 MHz ≤28,7 dB/100 m at 100,0 MHz
Data rate	1 Gbit/s (up to 90 m)