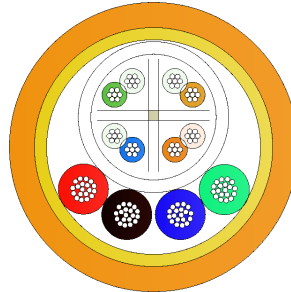


# Ethernet Cable

rcuuwcat641



## Construction

Ethernet element	CAT6 2x0.2 mm <sup>2</sup> (24 AWG) standard copper conductor.
Conductor	1 mm <sup>2</sup> (18 AWG) stranded copper.
Strength member	Aramid yarn braid, aprox 0.4 mm thickness.
Outer jacket	Polyurethane, color orange, thickness 1.2 mm.

## Electrical

Operating voltage	1000 V for 1 mm <sup>2</sup> conductors.
Tests voltage	4000 VAC 10 minutes for 1 mm <sup>2</sup> conductors. 1500 VAC 1 minute for CAT6 cond-cond.
Conductor resistance	19.5 ohm/km for 1 mm <sup>2</sup> conductor 145 ohm/km for CAT6
Capacitance	52 pF/m (cond-cond)
Nominal impedance	100±15 ohm (1-100 MHz)
Max attenuation	3.2 dB/100 m at 1 MHz 8.9 dB/100 m at 10 MHz 12.6 dB/100 m at 20 MHz 28.7 dB/100 m at 100 MHz
Data rate	1 GB/s (up to 90 m)

## Mechanical

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	5500 N
Rated depth	3000 m (optional 6000 m, contact us)