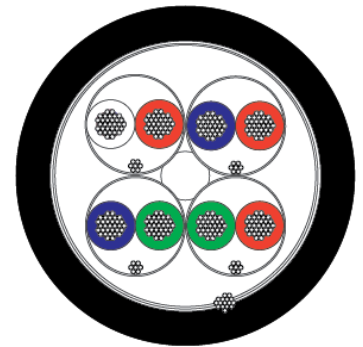


# Data cable

## Type 4588



### Construction characteristics

<b>Centre filler</b>	Textile filler
<b>Shielded twisted pair</b>	1.0 mm <sup>2</sup> bare copper conductor (32 x 0.20 mm) insulated with PE (2.2 mm) 2 conductors twisted together with a tinned copper drain wire (7 x 0,2 mm) and aluminium/polyester foil (30μ) (4 each)
<b>Filling compound</b>	Waterblocked filling compound
<b>Shield</b>	Aluminium/polyester foil (30μ) and tinned copper drain wire (16 x 0.2mm), coverage 100%
<b>Outer jacket</b>	Polyurethane jacket. Colour black
<b>Halogen free</b>	Acc. to IEC 60754

### Mechanical characteristics

<b>Diameter</b>	14 mm ±0.5 mm
<b>Weight in air</b>	240 kg/km nom
<b>Weight in seawater</b>	75 kg/km nom
<b>Min. bending radius, static</b>	90 mm
<b>Min. bending radius, dynamic</b>	150 mm
<b>Depth rating</b>	3,000 m

### Electrical characteristics

<b>Operating voltage</b>	600 V
<b>Test voltage</b>	4,000 V DC for 1 min (cond - cond) 3,000 V DC for 1 min (cond - shield) 500 V DC for 1 min (shield - shield)
<b>Conductor resistance</b>	≤ 20.0 Ω/km
<b>Insulation resistance</b>	≥ 10,000 MΩ×km (cond - shield) ≥ 100 MΩ×100 m (shield - shield)
<b>Capacitance</b>	110 pF/m
<b>Inductance</b>	240 μH/km
<b>Impedance</b>	50 ±5 Ω at 1-10 MHz
<b>Attenuation</b>	3.9 dB/100 m at 1 MHz 12.5 dB/100 m at 10 MHz