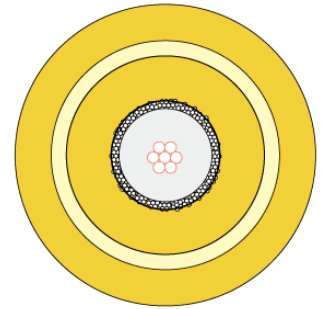


# Special Type 5025K



## Construction characteristics

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<b>Inner conductor</b>	1.3 mm <sup>2</sup> (16 AWG) bare copper conductor insulated with foam polyolefin, 1 each
<b>Shields</b>	Tinned copper braid, coverage ≥ 85%
<b>Tape</b>	Binder tape
<b>Inner jacket</b>	Polyurethane jacket. Colour yellow, nominal diameter 6.4 mm
<b>Strength member</b>	High strength textile braid
<b>Outer jacket</b>	Polyurethane jacket. Colour yellow
<b>European directives</b>	2002/95/CE RoHS and 2002/96/CE WEEE
<b>Halogen free</b>	Halogen acid gas emission ≤0.5% when tested in accordance to IEC 60754-1 – CEI 20-37

## Mechanical characteristics

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<b>Diameter</b>	10.0 mm ±0.2 mm
<b>Weight in air</b>	134 kg/km nom
<b>Weight in seawater</b>	56 kg/km nom
<b>Min. bending radius</b>	100 mm
<b>Breaking strength</b>	25 kN
<b>Depth rating</b>	5,000 m
<b>Operating temperature range</b>	-40°C - +80°C
<b>Safe working load</b>	4 kN

## Electrical and physical characteristics

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<b>Operating voltage</b>	400 V
<b>Test voltage</b>	2,000 V DC x 1 min
<b>Conductor resistance</b>	≤ 14.5 Ω/km
<b>Insulation resistance</b>	≥ 5 GΩ x km
<b>Impedance</b>	50 Ω
<b>Capacitance</b>	94 pF/m
<b>Attenuation</b>	10 dB/km at 1 MHz