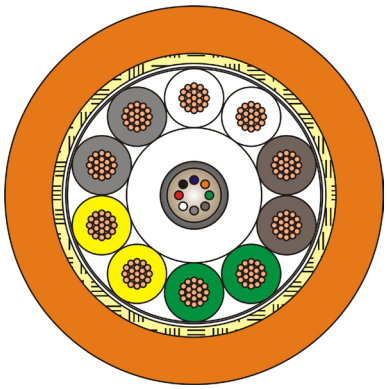
18XM522

Fiber optic hybrid cable

NOVACAVI
Cables for advanced technology

CONSTRUCTION DETAILS



4x9/125+4x50/125:
~ Fiber optic in stainless steel tube
~ PE sheath

10X0,50 mm^2:
~ Tinned copper conductor 19x0,18 mm
~ HDPE insulation

~ Elements laid up together with silicone waterblocking compound
~ Protective polyester tape
~ Protective non woven tape
~ LCP fiber braid strength member
~ Hydrolysis UV resistant PUR outer sheath, color orange
~ Nominal overall diameter 11,20 mm

ELECTRICAL AND PHYSICAL CHARACTERISTICS

~ Electrical resistance conductors 0,50 mm^2	< 40,33 ohm/km @ 20°C
~ Working voltage 0,50 mm^2	1000 V
~ Optical attenuation 9/125 @ 1310 nm	< 1,0 dB/km
~ Optical attenuation 9/125 @ 1550 nm	< 1,0 dB/km
~ Optical attenuation 50/125 @ 850 nm	< 3,5 dB/km
~ Optical attenuation 50/125 @ 1300 nm	< 1,5 dB/km
~ Weight in air nom.	156 kg/km
~ Weight in fresh water nom.	57 kg/km
~ Weight in sea water nom. (s.g. 1,026)	54 kg/km
~ Breaking strength	480 kg
~ Working load max.	120 kg
~ Recommended static bending radius min.	70 mm
~ Recommended dynamic bending radius min.	140 mm
~ Working temperature	-30/+80°C

KEY FEATURES

~ Mono mode fiber optic
~ Multi mode fiber optic
~ Fibers in stainless steel tube
~ Waterblocking compound
~ Textile braid

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