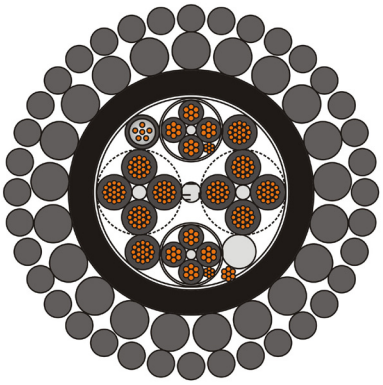
24SSA28

Hybrid fiber optic armoured cable

NOVACAVI
Cables for advanced technology

CONSTRUCTION DETAILS



6X9/125:
~ Single mode fiber optic

2 X 18 AWG:
~ Tinned copper conductor
~ ETFE insulation

2 X 4 X 18 AWG:
~ Tinned copper conductor
~ ETFE insulation

2 X 4 X 20 AWG:
~ Tinned copper conductor
~ ETFE insulation
~ Screen of polyester tape, tinned copper drain wire, aluminium/polyester tape

~ Overall screen of polyester tape, tinned copper drain wire, aluminium/polyester tape,
~ Hydrolysis UV resistant PUR outer sheath
~ Preformed galvanised steel wire armour
~ Nominal overall diameter 18,80 mm

ELECTRICAL AND PHYSICAL CHARACTERISTICS

~ Electrical resistance conductors 20 AWG	< 39,41 ohm/km @ 20°C
~ Electrical resistance conductors 18 AWG	< 20,91 ohm/km @ 20°C
~ Working voltage 20 AWG	600 Vac
~ Working voltage 18 AWG	600 Vac
~ Insulation resistance conductors 20 AWG	> 1 Gohm*300 m @ 1000 Vdc
~ Insulation resistance conductors 18 AWG	> 1 Gohm*300 m @ 500 Vdc
~ Voltage withstand	1500 Vdc x 1 min
~ Optical attenuation @ 1310 nm	< 1,0 dB/km
~ Optical attenuation @ 1550 nm	< 1,0 dB/km
~ Weight in air nom.	1163 kg/km
~ Weight in fresh water nom.	909 kg/km
~ Weight in sea water nom. (s.g. 1,026)	902 kg/km
~ Breaking strength	150 kN
~ Working load max.	37,5 kN
~ Calculated armor stress ratio, end fixed	0,99
~ Calculated armor stress ratio, end free rotation	0,94
~ Recommended static bending radius min.	190 mm
~ Recommended dynamic bending radius min.	380 mm
~ Working temperature	-40/+90°C
~ Working depth	up to 1000 m

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RoHS REACH COMPLIANT