

6XM551

Hybrid communication cable



CONSTRUCTION DETAILS

2 X 16 AWG:

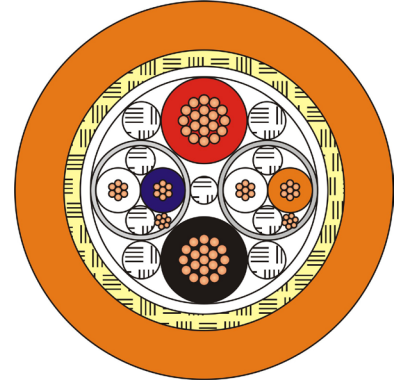
- ~ Tinned copper conductor 19x0,30 mm
- ~ HDPE insulation

2 X 2 X 24 AWG:

- ~ Tinned copper conductor 7x0,20 mm
- ~ Foam skin insulation
- ~ Cores twisted in pairs
- ~ Screen of polyester tape, tinned copper drain wire, aluminium/polyester tape

- ~ Elements laid up together with swelling water blocking fillers
- ~ Swelling waterblocking tape
- ~ LCP fiber braid strength member
- ~ Hydrolysis UV resistant PUR outer sheath, color orange

- ~ Nominal overall diameter 11,00 mm



ELECTRICAL AND PHYSICAL CHARACTERISTICS

~ Electrical resistance conductors 24 AWG	< 88,67 ohm/km @ 20°C
~ Electrical resistance conductors 16 AWG	< 14,52 ohm/km @ 20°C
~ Working voltage 24 AWG	250 V
~ Working voltage 16 AWG	1000 V
~ Characteristics impedance pair 24 AWG	100 ohm
~ Weight in air nom.	117 kg/km
~ Weight in fresh water nom.	22 kg/km
~ Weight in sea water nom. (s.g. 1,026)	19 kg/km
~ Breaking strength	960 kg
~ Working load max.	240 kg
~ Recommended static bending radius min.	55 mm
~ Recommended dynamic bending radius min.	110 mm
~ Working temperature	-30/+80°C

KEY FEATURES

- ~ Twisted shielded data pairs
- ~ Waterblocking fillers and tape
- ~ Textile braid

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