

16OMB4

Hybrid umbilical cable



CONSTRUCTION DETAILS

3 Electric cables for power supply and communication composed

4X16 AWG:

- ~ Tinned copper conductors 19X0,30 mm
- ~ Polyethylene insulation

4X2X22 AWG:

- ~ Tinned copper conductors 7X0,25 mm
- ~ Polyethylene insulation
- ~ Cores twisted in pairs
- ~ Screen of polyester tape, aluminium/polyester tape, tinned copper drain wire, polyester tape
- ~ Above elements laid up together
- ~ Protective polyester tape
- ~ Hydrolysis UV resistant PUR outer sheath
- ~ Nominal overall diameter 13,00 mm

3X Hydraulic hoses 1"

1X Hydraulic hoses 1/2"

3X Hydraulic hoses 3/8"

6X Hydraulic hoses 3/16"

- ~ Elements laid up together
- ~ Protective polyester tape
- ~ Thermoplastic rubber sheath
- ~ Hydrolysis UV resistant PUR outer sheath, colour orange
- ~ Nominal overall diameter 102 mm



ELECTRICAL AND PHYSICAL CHARACTERISTICS

~ Electrical resistance conductors 16 AWG	< 14,60 ohm/km @ 20°C
~ Electrical resistance conductors 22 AWG	< 56,75 ohm/km @ 20°C
~ Nominal capacitance 22 AWG pairs	55 pF/m
~ Impedance 22 AWG pairs @ 100 kHz to 1MHZ	100 ohm +/- 15%
~ Max. working voltage	600 V
~ Weight	5840 kg/km
~ Bending radius static min.	520 mm
~ Bending radius flexing min.	1000 mm
~ Breaking strength	10 kN
~ Working temperature	-30/+80 °C

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