

# 3OMB28

## Diver umbilical



### CONSTRUCTION DETAILS

#### 1 X 3/8" gas hose:

~ Nominal outside diameter 18,5 mm, color blue

#### 1 X 1/4" pneumo hose:

~ Nominal outside diameter 12,5 mm, color yellow

#### 2 X 18 AWG:

~ Bare copper conductor IEC 60228 class 5

~ HDPE insulation

#### 4 X 22 AWG:

~ Tinned copper conductor 7x0,25 mm

~ HDPE insulation

#### 3 X 2 X 24 AWG (100 ohm):

~ Tinned copper conductor 7x0,20 mm

~ Polyethylene insulation

~ Cores twisted in pairs

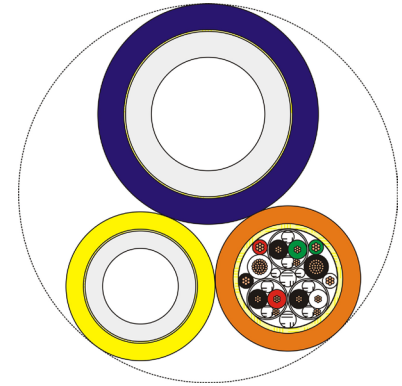
~ Screen of polyester tape, tinned copper drain wire, aluminum polyester tape, polyester tape

~ Elements laid up together with polypropylene filling yarn

~ Protective polyester tape

~ LCP fiber braid strength member

~ Hydrolysis UV resistant PUR outer sheath, nominal diameter 12,20 mm, color orange



Nominal overall diameter 31,80 mm

### ELECTRICAL AND PHYSICAL CHARACTERISTICS

~ Electrical resistance conductors 18 AWG	< 19,50 ohm/km @ 20°C
~ Electrical resistance conductors 22 AWG	< 56,75 ohm/km @ 20°C
~ Electrical resistance conductors 24 AWG	< 88,67 ohm/km @ 20°C
~ Working voltage	250 V
~ Characteristic Impedance pairs 24 AWG	100+/-15 ohm
~ Weight in air nom.	482 kg/km
~ Calculated specific gravity	0,95 kg/dm <sup>3</sup>
~ Weight in fresh water nom.	-26 kg/km
~ Weight in sea water (s.g. 1,026) nom.	-40 kg/km
~ Recommended static bending radius min.	150 mm
~ Recommended dynamic bending radius min.	300 mm
~ Working temperature	-30/+80°C

### KEY FEATURES

- ~ Breathing hose
- ~ Anti-kink
- ~ Hybrid electrical cable
- ~ Twisted shielded data pairs

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