

SYNTHETIC ARMoured CABLE

# 26XM563

2x(4x18 AWG) + 2x(4x20 AWG) + 2x18 AWG  
+ 1xCAT.6 - BS 100 kN



## CONSTRUCTION DETAILS

### 2X18 AWG:

- ~ Tinned copper conductor
- ~ ETFE insulation
- ~ HDPE sheath

### 2X4X18 AWG:

- ~ Tinned copper conductor
- ~ ETFE insulation
- ~ Cores laid up in quads with water blocking fillers
- ~ Polyester tape
- ~ Polyethylene inner sheath

### 2X4X20 AWG:

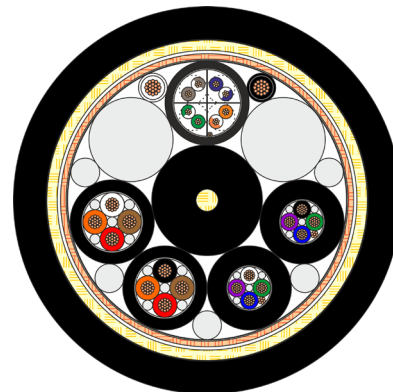
- ~ Tinned copper conductor
- ~ Polypropylene insulation
- ~ Cores laid up in quads with water blocking fillers
- ~ Screen of polyester tape, tinned copper drain wire, aluminum/polyester tape, polyester tape
- ~ Polyethylene sheath

### 1xCAT.6 F/UTP:

- ~ Tinned copper conductor
- ~ PE insulation
- ~ Conductors twisted in pairs
- ~ Pairs laid up together with central crossweb filler
- ~ Collective screen of polyester tape, tinned copper drain wire, aluminum/polyester tape
- ~ Polyethylene inner sheath

- ~ Elements laid up together with extruded fillers and silicone waterblocking compound
- ~ Polyester tape
- ~ Tinned copper braid overall shield
- ~ Swelling waterblocking tape
- ~ Strain member of aramidic yarn
- ~ Protective polyester tape
- ~ Hydrolysis UV resistant PUR outer sheath

- ~ Nominal overall diameter 35,00 mm



## ELECTRICAL AND PHYSICAL CHARACTERISTICS

- |   |                                |
|---|--------------------------------|
| ~ Electrical resistance conductors 18 AWG | < 20,95 ohm/km @ 20°C          |
| ~ Electrical resistance conductors 20 AWG | < 33,31 ohm/km @ 20°C          |
| ~ Electrical resistance conductors 24 AWG | < 90,00 ohm/km @ 20°C          |
| ~ Working voltage 18 AWG                  | 1000 V                         |
| ~ Working voltage 20 AWG                  | 600 V                          |
| ~ Working voltage 24 AWG                  | 90 V                           |
| ~ Characteristic impedance pairs 24 AWG   | 100+/-5 ohm                    |
| ~ Capacitance pairs 24 AWG nominal        | 48 pF/m                        |
| ~ Weight in air nom.                      | 1302 kg/km                     |
| ~ Weight in fresh water nom.              | 340 kg/km                      |
| ~ Weight in sea water nom. (s.g. 1,026)   | 315 kg/km                      |
| ~ Breaking strength                       | 100 kN                         |
| ~ Working load max.                       | 25 kN                          |
| ~ Recommended static bending radius min.  | 175 mm                         |
| ~ Recommended dynamic bending radius min. | 350 mm                         |
| ~ Working temperature                     | -30/+80°C (-40°C storage only) |
| ~ Depth rating                            | up to 4000 m                   |

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