

SYNTHETIC ARMoured CABLE

36GAX150

4x(9/125)SM + 8x(50/125)MM + 2x(4x0,35) + 16x0,82
+ 3x0,35 + 5x0,22 Neutrally Buoyant - BS 100KN



CONSTRUCTION DETAILS

- ~ Fiber optic in stainless steel tube 4x(9/125) SM
- ~ Polyethylene inner sheath
- ~ Fiber optic in stainless steel tube 8x(50/125) MM
- ~ Polyethylene inner sheath

2X(4X0,35 mm²):

- ~ Bare copper conductor
- ~ Polypropylene insulation
- ~ Cores twisted in quads
- ~ Screen of polyester tape, tinned copper drain wire, aluminum/polyester tape, polyester tape
- ~ Polyethylene inner sheath

3X0,35 mm²:

- ~ Bare copper conductor
- ~ Conductive compound PE base coating
- ~ Silicone waterblocking compound
- ~ Copper/polyester tape
- ~ Protective polyester tape
- ~ LDPE inner sheath

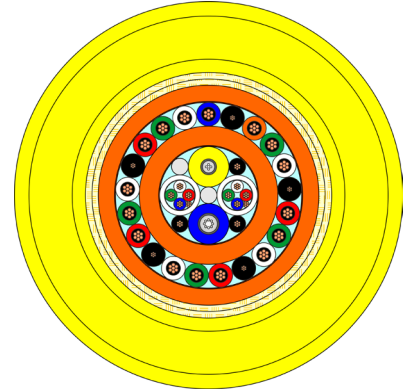
16X0,82 mm²:

- ~ Bare copper conductor
- ~ Conductive compound
- ~ Polypropylene insulation

5X0,22 mm²:

- ~ Bare copper conductor
- ~ Conductive compound
- ~ Silicone waterblocking compound
- ~ Copper/polyester tape
- ~ Protective polyester tape
- ~ LDPE inner sheath
- ~ Adhesive coated para-aramid fiber double contra-helical spiral strength member
- ~ SEBS TPR sheath
- ~ Foamed TPR inner sheath
- ~ SEBS TPR outer sheath

- ~ Nominal overall diameter 44,00 mm



ELECTRICAL AND PHYSICAL CHARACTERISTICS

- | | |
|---|--------------------------------|
| ~ Electrical resistance conductors 0,22 mm ² | < 86,40 ohm/km @ 20°C |
| ~ Electrical resistance conductors 0,35 mm ² | < 55,29 ohm/km @ 20°C |
| ~ Electrical resistance conductors 0,82 mm ² | < 21,60 ohm/km @ 20°C |
| ~ Working voltage 0,35 mm ² | 500 V |
| ~ Working voltage 0,82 mm ² | 3,3 kV |
| ~ Optical attenuation 9/125 @ 1310 nm | < 1,0 dB/km |
| ~ Optical attenuation 9/125 @ 1550 nm | < 1,0 dB/km |
| ~ Optical attenuation 50/125 @ 850 nm | < 3,5 dB/km |
| ~ Optical attenuation 50/125 @ 1300 nm | < 1,5 dB/km |
| ~ Weight in air nom. | 1511 kg/km |
| ~ Weight in fresh water nom. | -9 kg/km |
| ~ Weight in sea water nom. (s.g. 1,026) | -49 kg/km |
| ~ Specific gravity | 0,99+/-0,03 kg/dm ³ |
| ~ Breaking strength | 100 kN |
| ~ Working load max. | 25 kN |
| ~ Recommended static bending radius min. | 225 mm |
| ~ Recommended dynamic bending radius min. | 450 mm |
| ~ Working temperature | -30/+80°C |

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