

FYOVMPMW

Underwater cable



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|---------------------|---|---|
| APPLICATION | Heavily armoured underwater cable for sea, river and lake installations. Fibres hermetically sealed inside laser welded stainless steel tube. Also for underground installation in severe conditions, for example in permafrost soil. | |
| CONSTRUCTION | Optical fibre Secondary coating Inner sheath Armour Outer sheath | Coloured optical single-mode fibre (ITU-T G.652.D) Laser welded hermetical stainless steel tube, fully filled with non-toxic and dermatological safe compound. Black homogeneous weather resistant polyethylene sheath Two layers of galvanized steel wires, over the wires a layer of bitumen. Black homogeneous weather resistant polyethylene sheath |
| PROPERTIES | Temperature range Transport, storage, operation Installation Crush strength | -45 ... +70 °C -15 ... +60 °C 10 000 N/100 mm |

| Type | Diameter | Weight in air / in water | Tensile strength during installation/ long term | Minimum bending radius under installation tension/ without tension | Maximum water depth |
|----------------|----------|--------------------------|---|--|---------------------|
| FYOVMPMW | mm | kg/km | kN | mm | m |
| 12xSML 30 kN | 18.5 | 885/615 | 32/24 | 500/400 | 1500 |
| 2x12xSML 30 kN | 18.5 | 885/615 | 32/24 | 500/400 | 1500 |
| 4x12xSML 30 kN | 18.5 | 885/615 | 32/24 | 500/400 | 1500 |
| 8x12xSML 30 kN | 19.5 | 1015/715 | 32/24 | 500/400 | 1500 |
| 12xSML 40 kN | 20.0 | 1130/815 | 42/32 | 550/450 | 1500 |
| 2x12xSML 40 kN | 20.0 | 1130/815 | 42/32 | 550/450 | 1500 |
| 4x12xSML 40 kN | 20.0 | 1130/815 | 42/32 | 550/450 | 1500 |
| 8x12xSML 40 kN | 21.5 | 1240/875 | 44/33 | 550/450 | 1500 |

Fibre colours

| No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|--------|------|--------|-------|-------|------|-------|-----|-------|--------|--------|------|------|
| colour | blue | orange | green | brown | grey | white | red | black | yellow | violet | pink | aqua |

Yarn colours

| No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------|------|--------|-------|-------|------|-------|-----|-------|
| Colour | blue | orange | green | brown | grey | white | red | black |