

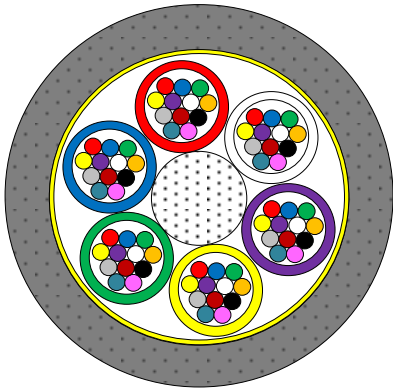
## C-RAIL-CABLE Optical Cable

The C-RAIL-CABLE is a dielectric optical cable, which is available in five different sizes (1x12, 2x12, 4x12, 6x12, 8x12). The fibre type is G57A1, but if requested we can also offer type G657A2 or G652D. It is compliant with water penetration. The outer layer is made out of HD polyethylene and is 5,8 mm (1x12-6x12) or 6,8 mm (8x12) thick. On the inside it is layered with a water swellable yarn. Inside of the cable one can find six to eight compact tubes, forming a circle around the strength member in the middle of the cable. The compact tubes are made of thermoplastic skin and contain 12 optical fibres each. For cables with less fibre count there are dummies placed inside of the compact tubes, which contain tensile fibres. The strength member is made of fibre reinforced plastic (FRP).

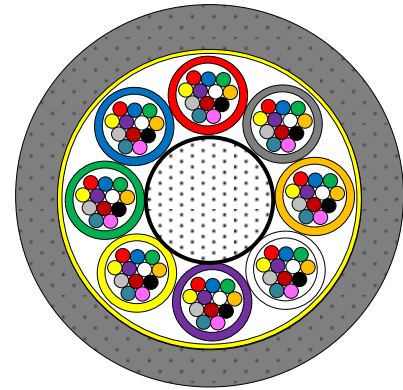
The optical fibres and the compact tubes have different color codes, which makes it easy to differ between them. The sheath color of the cable is blue, so that the black ink marking on the cable can be seen easily.

The cables are surrounded by a protective wrap, which has to be maintained until the cable is under full use.

# PRODUCTDETAILS



1x12-6x12



8x12

## 1x12-6x12/ 8x12

Max. pulling force	500 N/ 700N
Crush resistance	35 N/cm/ 45N/cm
Min. static bending radius	10xD mm
Min. kink radius	25 mm/ 30mm
Impact	3Nm
Torsion	10 N
Nominal cable weight	25 kg/km / 35kg/km

## Thermal Load

Transport and storage	-40°C to 70°C
Installation	-5°C to 45°C
Operation	-30°C to 60°C

## Dimensions

Outer sheath 1x12-6x12 and 8x12	5,8 and 6,8 cm
Length	4000 m /drum

## Color codes

1=red	7=orange
2=blue	8=grey
3=green	9=brown
4=yellow	10=black
5=violet	11=turquoise
6=white	12=pink

## Ordering Description

MOQ (Minimum Order Quantity)	1 drum (4000 m)
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