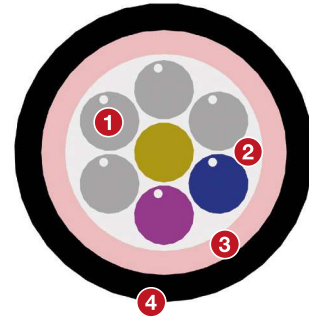


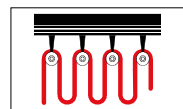
UTVFLEX® FESTOON-FO

Fiber optic very flexible cable for festooning systems and connecting moveable parts of container cranes, industrial machines, material handling equipment, etc., under high mechanical stress and frequent bending.



- 1 FIBRE**
NUMBER OF LOOSE TUBES: 6
ARRANGEMENT: six loose tubes laid in one layer around a glass-fibre reinforced element
- 2 INNER SHEATH**
MATERIAL: special rubber compound
- 3 ANTITWISTING ELEMENT**
MATERIAL: polyester braid between inner and outer sheath
- 4 OUTER SHEATH**
MATERIAL: special rubber compound at least 5GM3 quality
COLOUR: black

APPLICATION



THERMAL WORKING DATA

Minimum ambient temperature	°C	Mobile condition: -35 Static condition: -50
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MECHANICAL WORKING DATA

Min. bending radius	mm	200
Min. distance with S-type directional changes	mm	400
Maximum torsional stress	°/m	± 50
Maximum tensile load	N	1200
Max working speed	m/min	240

CHEMICAL WORKING DATA

Oil resistance	According to IEC 60811-404
Ozone resistance	According to IEC 60811-403
Burning behaviour	According to IEC 60332-1-2
UV resistance	According to ISO 4892-2



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GRADED INDEX MULTIMODE FIBRE	CORE Ø µm	CLADDING Ø µm	ATTENUATION AT 850 NM dB/km	ATTENUATION AT 1300 NM dB/km
50/125	50	125	≤ 2,8	≤ 0,8
62,5/125	62,5	125	≤ 3,3	≤ 0,9

STEP INDEX SINGLEMODE FIBRE	CORE Ø µm	CLADDING Ø µm	ATTENUATION AT 850 NM dB/km	ATTENUATION AT 1300 NM dB/km
9/125	9	125	≤ 0,35	≤ 0,24

CABLE	NUMBER OF FIBRE	MIN OVERALL Ø mm	MAX OVERALL mm	APPROX WEIGHT kg/km
12×1×(50/125)	12	14,6	16,8	240
18×1×(50/125)	18	14,6	16,8	240
12×1×(62,5/125)	12	14,6	16,8	240
18×1×(62,5/125)	18	14,6	16,8	240
12×1×(9/125)	12	14,6	16,8	240
18×1×(9/125)	18	14,6	16,8	240

The diameter and weight shown is approximate, they may have some tolerance (to be confirmed when ordering). Other cross sections and colors available upon request.

