URSUS® FESTOON FO

Aristoncavi specification

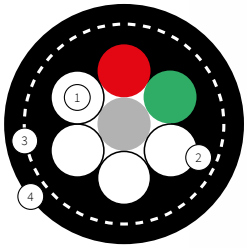


1 **FIBRE**
NUMBER OF LOOSE TUBES: 6
ARRANGEMENT: six loose tubes laid in one layer around a glass-fibre reinforced element

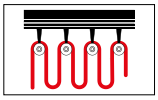
2 **INNER SHEATH**
MATERIAL: special rubber compound

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



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.

THERMAL WORKING DATA

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

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	500
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 Ø mm	APPROX WEIGHT kg/km
12x1x(50/125)	12	14,6	16,8	240
18x1x(50/125)	18	14,6	16,8	240
12x1x(62,5/125)	12	14,6	16,8	240
18x1x(62,5/125)	18	14,6	16,8	240
12x1x(9/125)	12	14,6	16,8	240
18x1x(9/125)	18	14,6	16,8	240


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