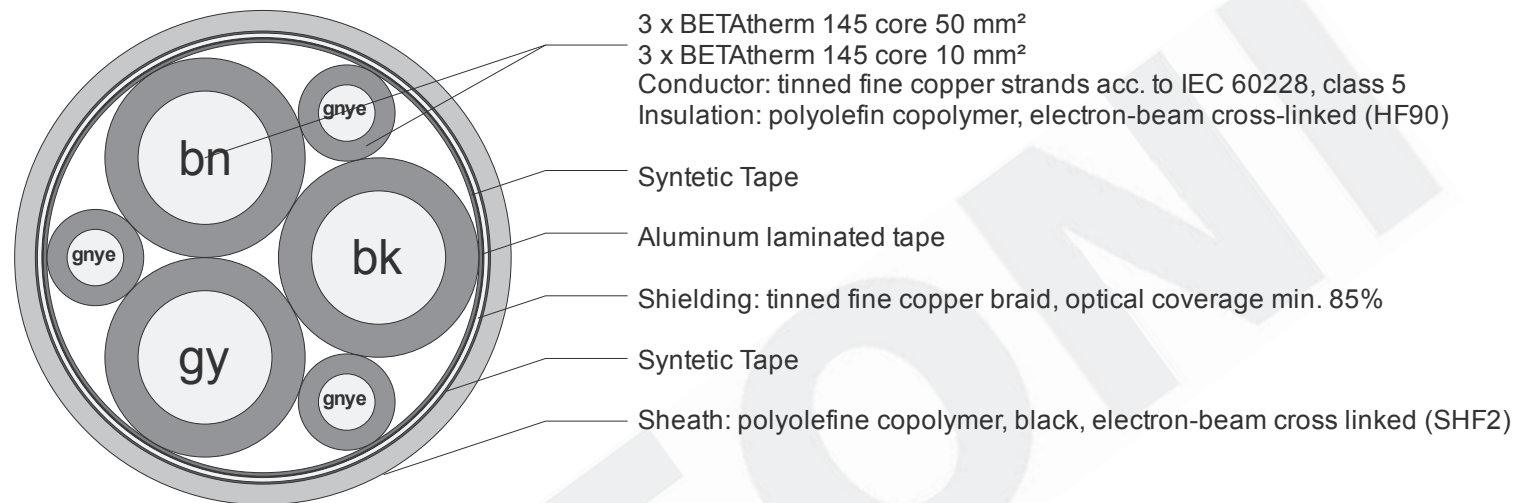


**BETAflam 145 C-flex VFD 0.6/1 kV (1.8/3 kV)  
HFFR Electron Beam Cross-linked Marine Cables  
16 mm<sup>2</sup> – 95 mm<sup>2</sup>**

**Construction**

**TR – 16357, 16358, 16359, 16360, 16361, 16362-e**

Example 3x50 + 3x10 mm<sup>2</sup>



**Dimensions (approx.)**

Item no.	Construction	Ø Core		Ø over core strandings (mm)	Ø over shielding (mm)	Ø Cable (mm)	Pulling force (kg)	Cable weight (kg/km)
		Power (mm)	Ground (mm)					
TR-16357	3x16 + 3x2.5 mm <sup>2</sup>	9.80	4.65	21.10	21.85	25.05 ± 0.8	264	1064
TR-16358	3x25 + 3x4 mm <sup>2</sup>	11.00	5.25	23.70	24.45	28.05 ± 0.8	412	1438
TR-16359	3x35 + 3x6 mm <sup>2</sup>	12.50	6.00	27.00	27.85	31.65 ± 1.0	577	1925
TR-16360	3x50 + 3x10 mm <sup>2</sup>	14.50	7.00	31.30	32.25	36.65 ± 1.3	825	2662
TR-16361	3x70 + 3x16 mm <sup>2</sup>	16.00	7.70	34.50	35.45	39.85 ± 1.3	1155	3450
TR-16362	3x95 + 3x16 mm <sup>2</sup>	17.60	8.50	38.00	38.95	43.75 ± 1.3	1567	4248

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**Technical data**

Nominal voltage	U <sub>0</sub> /U	0.6/1 kV (1.8/3 kV)
Testing voltage	core / core core / shielding	5000 V 2500 V
Max. conductor temperature	fixed installation occasionally moved	+ 145 °C + 120 °C
Min. ambient temperature	fixed installation occasionally moved	- 55 °C - 35 °C
Min. bending radius	fixed installation occasionally moved (2/day)	> 6 x cable-Ø > 12 x cable-Ø
Radially watertight		1 hour, 10 m
Life span		30 years

**Fire performance and material properties**

Halogen free	IEC 60754-1, EN 50267-2-1
No corrosive gases	IEC 60754-2, EN 50267-2-2
No toxic gases	NF X 70-100
Low smoke density	IEC 61034, DIN EN 61034-2, EN 50268-2
Flame retardant	EN/IEC 60332-1-2
Non-flame propagating	IEC 60332-3, DIN EN 60332-3, EN 50266-2, NF C 32-070
Low fire load	DIN 51900
UV resistant	EN ISO 4892-1/-2
Oil resistance	EN 50264-1, 72 h/100 °C, IRM902
Seawater resistant	yes
Cross-linked insulation compound HF90	IEC 60092-360
Cross-linked sheathing compound SHF2	IEC 60092-360

**Approval**

DET Norske Veritas (DNV)