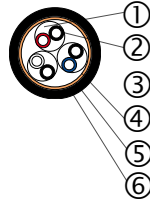
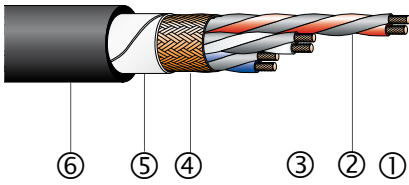


RADOX® MFH

MFH-S Signal cable screened and unscreened

MFH-P Power cable



- ozone, hydrolysis, chemical resistant
- weatherproof
- easy to process
- light weight
- wide operating temperature range
- halogen free
- flame retardant

Application

For fixed installations in dry, damp or wet locations, inside and outside of ships, industrial equipment, defence equipment, buses, other vehicles and railway rolling stock.

Composition of cable

① Centre (if necessary)	RADOX® filler
② Cores 2 x 0.75 mm ² Conductor	stranded tin plated copper, acc. to EN 60228, class 5 type Multi A 14 A2-0.75
Dual wall insulation	high tech polymer
Core colours	see table
③ Fillers (optional)	two cores twisted RADOX®
④ EMV screening	optimised tin plated copper braid, optical coverage: ≥85 %
⑤ Separator	textile yarn
⑥ Sheath	RADOX® elastomer S FH
Colour	black

Technical data

Voltage rating U_o/U		600 / 1000 V AC
Test voltage		3500 V AC
Temperature range		-25 °C up to +120 °C
Min. bending radius	fixed ≤12 mm	3 x cable-dia.
	≥12 mm	4 x cable-dia.
	flexing >12 mm	5 x cable-dia.
	>12 mm	6 x cable-dia.

Fire tests

Flame propagation:		
Vertical of a single cable	EN 50265-2-1, IEC 60332-1	
Content of halogen acid gas	EN 50267-2-1, IEC 60754-1	0 mg/g

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Approvals

GERMANISCHER LLOYD

IEC 60092-359:1999

IEC 60754-1:1994

Certificate no. 43159-02 HH

IEC 60332-1:1999

IEC 60754-2:1997

IEC 60332-3 cat. A: 1992

IEC61034-2:1997

Extract from our delivery programme

Cross section	Stranded	R ₂₀ IEC 60228	Z _T max. **	Screen	Cable	Core colours	Weight	Type
n x mm ²	dia. mm	max. Ω/km	max. mΩ/m	dia. mm	dia. mm		nom. kg/100 m	
2 x 0.4	2.35	54.7	-	-	4.1 ± 0.3	WH num.	2.5	MFH-S unscreened
6 x 1.5	6.4	13.7	-	-	8.5 ± 0.3	WN num.	14.2	MFH-S unscreened
3 x 0.5	2.85	40.1	200	3.3	5.1 ± 0.3	bk, bu, bn	4.7	MFH-S screened
25 x 0.5	7.8	40.1	70	8.5	11.0 ± 0.4	WN num.	23.7	MFH-S screened
4 x 2 x 0.75	6.9	26.7	80	7.6	10.0 ± 0.3	WN num.	16.4	MFH-S screened
8 x 2 x 0.75	8.2	26.7	70	9.0	11.6 ± 0.4	WN num.	24.5	MFH-S screened
2 x 4	8.3	5.09	-	-	10.8 ± 0.4	BK, BU	18.6	MFH-P unscreened
4 x 4	10.3	5.09	-	-	13.0 ± 0.4	BU, BN, BK, BK	29.7	MFH-P unscreened
5 x 4	11.5	5.09	55	12.6	15.8 ± 0.5	BK, BU, BN, BK, BK	46.8	MFH-P screened

Other cross sections on request.