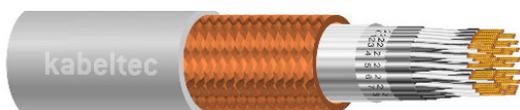


Schiffskabel / Marine cables

FM2XCH

Communication and Signal Cable
Communication and Signal Cable



Verwendung:

Used as control and communication cables in radio, radar and information systems of marine vehicles. It's twisted pairs enables proper transmission of high frequency signals, while its' overall screen minimizes environmental electromagnetic interference.

Usable at all conditions in marine environment such as dry, wet and oily locations, inside the engine room, where electromagnetic protection is required as well.

Due to its' halogen-free, low smoke density and flame-retardant features, it won't create corrosive gases nor obstruct visibility and prevents the fire from spreading around. Thus it protects human life and equipment during a fire.

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Aufbau:

- electrolytic, stranded, annealed copper wire IEC 60228 Class 2
- XLPE Insulation
- cores laid up in pair, pairs laid up concentrically
- separating foil or halogen free bedding compound on request
- Electrolytic copper braid screen, 90% coverage
- outer sheath: halogen free, flame retardant, thermoplastic polyolefin based compound.
- color: black or grey

Technische Daten:

Leiter Werkstoff	Kupfer
Leiterklasse	Klasse 2 IEC 60228
Aderisolationwerkstoff	XLPE
Aderkennung	weiß, ziffernbedruckt oben grün/gelb
Verseilung	Adern in Lagen verseilt
Außenmantelwerkstoff	Polyolefin
Mantelfarbe	Schwarz oder Grau
Nennspannung [V]	60/250
Prüfspannung [V]	1500
Leiterwiderstand	
Isolationswiderstand	
Strombelastbarkeit	
kleinster Biegeradius fest [xd]	6x d
kleinster Biegeradius bewegt [xd]	
Betriebstemp. fest min/max [C]	-40°C bis +90°C
Betriebstemp. bew. min/mac [C]	-40°C bis +90°C
Temperatur am Leiter max.	
Brandverhalten	
Normen	Standard IEC 60092/376 IEC 60092/350-360 Flammwidrig IEC 60332/1, IEC 60332/3-22 Cat A Rauchdichte IEC 61034/1-2 (DIN EN 50268/1-2) ölbeständig Ozon resistance IEC 60811/403

Application:

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Construction:

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Technical Data:

Conductor Material	copper
Conductor class	Class 2 IEC 60228
core insulation	XLPE
core identification	white with numbers, no green/yellow
stranding	Cores twisted in layers
outer sheath	Polyolefin
sheath colour	Black or Grey
rated voltage [V]	60/250
testing voltage [V]	1500
conductor resistance	
insulation resistance	
current carrying capacity	
min. bending radius fixed [xd]	6x d
min. bending radius moved [xd]	
working temp fixed min/max [C]	-40°C up to +90°C
working temp moved min/mac [C]	-40°C up to +90°C
temp at conductor max.	
burning behaviour	
Approvals	Standard IEC 60092/376 IEC 60092/350-360 Flame retardant IEC 60332/1, IEC 60332/3-22Cat A Halogen Content IEC 60754/1-2 Low smoke IEC 61034/1-2 (DIN EN 50268/1-2) oil resistant Ozon resistance IEC 60811/403

Kabel / Cable

Art Nr. Part No.	Aderm x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
	1x2 x 0.75	8.20	4.14	8.00
	2x2 x 0.75	9.20	6.08	12.50

Kontakt: