KOCH Kabel
Smart cabling by Koch Kabel AG

Koflex Thermo 150 (C) Power GL

Produkt
- Anschluss- und Versorgungsleitung geschirmt mit Schiffs-Approbationen

Einsatzbereich
- Maschinenbau
- Anlagenbau
- Schiffsbau / Off Shore-Anwendungen
- Aussenanlagen

Eigenschaften
- Halogenfrei
- Flammwidrig, selbstverlöschend
- Hydrolyse-, mikroben- und verrottungsfest
- Witterungs-, Ozon- und UV-beständig
- Beständig gegen Öle, Fette, alkoholfreie Benzine und Kerosin
- Abriebfest, kerbzäh, weiterreißfest
- Frei von Lackbenetzung störende Substanzen (LABSfrei), RoHS-konform

Technische Daten

Nennspannung	300/500V (≤ 1mm^2)
Nennspannung	450/750V (≥ 1.5mm^2)
Prüfspannung	5000V
Temperaturbereich	-35 °C bis +145 °C
Mindestbiegeradius	Leitungsdurchmesser x 4
Approbation	GL / LR / BV / DNV
Leitermaterial	E-Kupferlitze verzinnt
Isolation	Polyolefin Copolymer elektronenstrahlvernetzt
Abschirmung	Kupfer-Geflecht verzinnt
Mantel	Polyolefin Copolymer elektronenstrahlvernetzt

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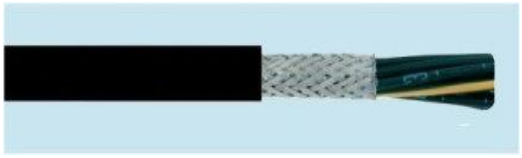
product
- *Connection and power cable shielded with approval for shipbuilding*

area of application
- *mechanical engineering*
- *plant engineering and construction*
- *ship building / off shore applications*
- *outdoor application*

properties
- *halogen free*
- *flame-retardant, self-extinguishing*
- *hydrolysis-resistant, microbe-resistant, and rot-resistant*
- *weathering, ozone and UV resistant*
- *largely resistant to oils, greases, alcohol-free benzines and kerosene*
- *free from paint wetting Interfering substances (LABS-free), RoHS Compliant*

technical data

voltage	*300/500V (≤ 1mm^2)*
voltage	*450/750V (≥ 1.5mm^2)*
test voltage	*5000V*
temperature range	*-35°C to +145°C*
min. bending radius	*cable diameter x 4*
approval	*GL / LR / BV / DNV*
conductor	*E-copper, stranded wires tinn plated*
insulation	*polyolefin copolymer electron-beam cross linked*
Shielding	*tinned copper braid*
jacket	*polyolefin copolymer electron-beam cross linked*



Art.nr part-no	Aderzahl / Querschnitt number of cores / cross section	Aussen—Ø mm outer Ø mm	Gewicht kg/100m weight kg/100m	Kupferzahl kg/100m copper index kg/100m
D70502050	(2x0.5)	5.6	4.5	2.9
D70503050	(3G0.5)	6.1	5.9	4.5
D70504050	(4G0.5)	6.7	7.2	5.1
D70505050	(5G0.5)	7.3	8.6	5.7
D70506050	(6G0.50)	7.9	10.2	6.3
D70507050	(7G0.50)	8.4	11.8	6.9
D70508050	(8G0.50)	9.0	13.3	7.5

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D70510050	(10G0.50)	10.0	15.7	9.8
D70512050	(12G0.50)	10.3	16.4	10.8
D70502075	(2x0.75)	6.6	6.6	3.1
D70503075	(3G0.75)	6.9	7.8	4.6
D70504075	(4G0.75)	7.6	9.4	5.6
D70505075	(5G0.75)	8.3	11.3	7.0
D70506075	(6G0.75)	8.9	13.2	8.4
D70507075	(7G0.75)	9.9	15.8	9.8
D70510075	(10G0.75)	11.5	20.9	12.9
D70512075	(12G0.75)	11.7	21.9	14.8
D70516075	(16G0.75)	12.9	27.9	18.2
D70521075	(21G0.75)	15.3	38.5	23.2
D70502100	(2x1.0)	7.0	7.9	5.1
D70503100	(3G1.0)	7.4	8.9	7.0
D70504100	(4G1.0)	8.1	11.3	8.0
D70505100	(5G1.0)	8.9	13.4	9.5
D70507100	(7G1.0)	10.5	18.7	12.0
D70510100	(10G1.0)	12.5	25.3	16.6
D70512100	(12G1.0)	12.5	26.6	18.5
D70502150	(2x1.5)	8.2	10.5	6.5
D70503150	(3G1.5)	8.7	11.9	9.0
D70504150	(4G1.5)	9.4	14.6	11.0
D70505150	(5G1.5)	10.5	18.3	12.5
D70507150	(7G1.5)	12.6	26.0	15.9
D70510150	(10G1.5)	15.0	30.9	21.2
D70512150	(12G1.5)	15.5	37.1	24.5
D70514150	(14G1.5)	16.0	45.5	26.6
D70521150	(21G1.5)	20.3	69.8	27.8
D70525150	(25G1.5)	21.7	73.7	46.5
D70502250	(2x2.5)	9.8	14.8	9.5
D70503250	(3G2.5)	10.4	17.1	12.4
D70504250	(4G2.5)	11.5	21.6	15.0
D70505250	(5G2.5)	12.6	26.7	18.0
D70507250	(7G2.5)	15.3	38.5	23.5
D70512250	(12G2.5)	18.3	56.9	38.5
D70516250	(16G2.5)	20.7	75.3	50.4
D70521250	(21G2.5)	24.4	102.2	64.9

Spezialausführungen auf Anfrage *special types upon request*

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D70502400	(2x4)	10.9	17.4	12.1
D70503400	(3G4)	11.5	22.6	17.0
D70504400	(4G4)	12.8	29.0	22.0
D70505400	(5G4)	14.3	37.6	27.3
D70507400	(7G4)	17.0	53.1	41.2
D70510400	(10G4)	20.7	73.6	57.9
D70512400	(12G4)	20.9	79.1	59.2
D70514400	(14G4)	22.1	91.0	70.4
D70502600	(2x6)	12.1	25.0	14.2
D70503600	(3G6)	12.8	31.6	17.1
D70504600	(4G6)	14.3	40.4	30.5
D70505600	(5G6)	16.0	51.8	43.9
D70507600	(7G6)	19.3	71.6	50.5
D70521000	(2x10)	15.1	39.0	22.1
D70531000	(3G10)	16.4	52.9	37.0
D70541000	(4G10)	18.1	66.9	51.7
D70551000	(5G10)	20.2	84.0	59.2
D70571000	(7G10)	24.3	113.2	82.0

Spezialausführungen auf Anfrage

special types upon request