KOCH Kabel
Smart cabling by Koch Kabel AG

Koflex Thermo 150 Power GL

Produkt
- Anschluss- und Versorgungsleitung 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
Mantel	Polyolefin Copolymer elektronenstrahlvernetzt

Koflex Thermo 150 Power GL

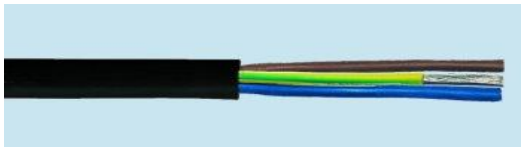
product
- *Connection and power cable with approval for shipbuilding*

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*
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
D76402050	2x0.50 (LN)	5.1	3.8	0.98
D76403050	3G0.50 (LNPE)	5.5	4.6	1.48
D76404050	3G0.50 (NRPE)	5.9	5.5	1.96
D76405051	4X0.50 (NR)	5.9	5.5	1.96
D76405050	5G0.50 (3LNPE)	6.7	6.8	2.48
D76406050	6G0.50 (NRPE)	7.1	7.7	3.92
D76407050	7G0.50 (NRPE)	7.8	9.3	3.42

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D76408050	8G0.50 (NRPE)	8.6	10.2	3.8
D76410050	10G0.50 (NRPE)	9.4	13.0	4.8
D76412050	12G0.50 (NRPE)	9.4	13.5	5.8
D76414050	14G0.50 (NRPE)	10.0	14.6	6.8
D76416080	16G0.50 (NRPE)	10.7	16.6	7.8
D76402075	2X0.75 (LN)	5.9	5.2	1.48
D76403075	3G0.75 (LNPE)	6.2	6.1	2.1
D76404076	4X0.75 (NR)	6.9	7.5	2.8
D76404075	4G0.75 (3LPE)	6.9	7.5	2.8
D76404077	4G0.75 (2LNPE)	6.9	7.5	2.8
D76405075	5G0.75 (3LNPE)	7.7	9.4	3.6
D76406075	6G0.75 (NRPE)	8.3	10.7	4.4
D76407075	7G0.75 (NRPE)	9.1	12.7	5.1
D76408075	8G0.75 (NRPE)	10.2	14.4	5.8
D76410075	10G0.75 (NRPE)	11.1	17.8	7.3
D76412075	12G0.75 (NRPE)	11.1	18.6	8.8
D76414075	14G0.75 (NRPE)	11.7	20.3	9.8
D76416075	16G0.75 (NRPE)	12.5	23.3	11.8
D76402100	2X1 (LN)	6.3	4.8	1.8
D76403100	3G1 (LNPE)	6.8	6.5	2.8
D76404100	4G1 (3LPE)	7.4	8.2	3.8
D76404101	4G1 (2LNPE)	7.4	8.2	3.8
D76405100	5G1 (3LNPE)	8.3	10.4	4.8
D76406100	6G1 (NRPE)	8.9	12.4	5.8
D76407100	7G1 (NRPE)	9.9	15.1	6.8
D76408100	8G1 (NRPE)	11.0	17.7	7.8
D76410100	10G1 (NRPE)	12.1	22.2	9.8
D76412100	12G1 (NRPE)	12.1	22.8	11.8
D76414100	14G1 (NRPE)	12.7	25.2	13.8
D76416100	16G1 (NRPE)	13.6	29.0	15.8
D76419100	19G1 (NRPE)	15.1	33.8	18.6
D76421100	21G1 (NRPE)	16.0	38.0	20.6
D76424100	24G1 (NRPE)	17.1	43.7	23.6
D76425100	25G1 (NRPE)	17.1	46.8	24.6
D76427100	27G1 (NRPE)	17.1	49.7	26.6
D76430100	30G1 (NRPE)	17.7	51.4	29.6
D76433100	33G1 (NRPE)	18.9	58.2	32.5
D76437100	37G1 (NRPE)	20.3	71.4	36.5

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D76402150	2x1.5 (LN)	7.6	8.9	2.8
D76403150	3G1.5 (LNPE)	8.1	10.6	4.3
D76404151	4X1.5 (NR)	8.8	12.9	5.8
D76404150	4G1.5 (3LNPE)	8.8	12.9	5.8
D76404152	4G1.5 (2LNPE)	8.8	12.9	5.8
D76405150	5G1.5 (3LNPE)	9.8	16.1	7.3
D76406150	6G1.5 (NRPE)	10.9	19.0	8.8
D76407150	7G1.5 (NRPE)	12.0	22.8	10.2
D76410150	10G1.5 (NRPE)	14.6	32.2	14.6
D76412150	12G1.5 (NRPE)	14.6	33.6	17.6
D76414150	14G1.5 (NRPE)	15.4	36.6	20.6
D76416150	16G1.5 (NRPE)	16.2	41.5	23.6
D76419150	19G1.5 (NRPE)	18.3	48.6	28.0
D76421150	21G1.5 (NRPE)	19.7	56.2	31.1
D76424150	24G1.5 (NRPE)	21.1	64.4	35.6
D76425150	25G1.5 (NRPE)	21.1	69.3	37.1
D76427150	27G1.5 (NRPE)	21.1	73.1	40.1
D76430150	30G1.5 (NRPE)	21.8	76.0	44.5
D76433150	33G1.5 (NRPE)	22.6	83.1	49.0
D76437150	37G1.5 (NRPE)	24.8	103.2	55.0
D76402250	2X2.5 (LN)	9.0	12.9	4.8
D76403250	3G2.5 (LNPE)	9.8	16.0	7.3
D76404250	4G2.5 (3LPE)	10.8	19.7	9.8
D76404251	4G2.5 (2LNPE)	10.8	19.7	9.8
D76405250	5G2.5 (3LNPE)	12.0	24.7	12.2
D76407250	7G2.5 (NRPE)	14.6	34.6	17.0
D76410250	10G2.5 (NRPE)	17.7	48.2	24.5
D76412250	12G2.5 (NRPE)	18.7	48.9	29.5
D76419250	19G2.5 (NRPE)	20.1	65.1	47.0
D76421250	21G2.5 (NRPE)	23.7	85.7	52.0
D76425250	25G2.5 (NRPE)	25.8	112.1	62.0
D76430250	30G2.5 (NRPE)	26.7	117.5	74.0
D76433250	33G2.5 (NRPE)	28.0	130.1	81.5
D76437250	37G2.5 (NRPE)	30.6	159.9	91.0
D76402400	2X4 (LN)	10.2	16.1	7.8
D76403400	3G4 (LNPE)	10.9	21.7	11.6
D76404400	4G4 (3LPE)	12.2	27.6	15.0
D76405400	5G4 (3LNPE)	13.5	34.0	28.0
D76407400	7G4 (NRPE)	16.4	45.8	26.0
D76410400	10G4 (NRPE)	20.1	67.4	38.0
D76412400	12G4 (NRPE)	20.1	68.8	46.0
D76414400	14G4 (NRPE)	21.5	80.5	62.0

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D76402600	2X6 (LN)	11.6	21.3	11.8
D76403600	3G6 (LNPE)	12.4	27.9	17.6
D76404600	4G6 (3LPE)	13.8	34.1	23.6
D76405600	5G6 (3LNPE)	15.4	43.1	28.0
D76407600	7G6 (NRPE)	18.3	61.6	40.0
D76421000	2X10 (LN)	14.7	35.1	19.0
D76431000	3G10 (LNPE)	15.7	45.7	28.0
D76441000	4G10 (3LPE)	17.5	59.0	38.0
D76451000	5G10 (3LNPE)	19.6	74.6	48.0
D76471000	7G10 (NRPE)	23.7	102.4	68.0
D76421600	2X16 (LN)	17.7	53.0	30.0
D76431600	3G16 (LNPE)	19.3	70.7	46.0
D76441600	4G16 (3LPE)	21.5	91.9	62.0
D76451600	5G16 (3LNPE)	23.9	114.8	78.0
D76471600	7G16 (NRPE)	28.9	156.9	110.0
D76422500	2X25 (LN)	21.3	79.2	48.0
D76432500	3G25 (LNPE)	22.7	97.7	73.0
D76442500	4G25 (3LPE)	25.4	129.9	98.0
D76452500	5G25 (3LNPE)	28.1	163.0	123.0
D76472500	7G25 (NRPE)	34.5	235.1	173.0
D76423500	2X35 (LN)	23.7	105.0	68.0
D76433500	3G35 (LNPE)	25.5	132.5	103.0
D76443500	4G35 (3LPE)	28.4	174.7	138.0
D76453500	5G35 (3LNPE)	31.3	217.3	173.0
D76425000	2X50 (LN)	29.3	147.1	98.0
D76435000	3G50 (LNPE)	31.5	189.3	148.0
D76445000	4G50 (3LPE)	35.3	251.4	198.0
D76455000	5G50 (3LNPE)	39.1	313.3	248.0
D76427000	2X70 (LN)	33.7	198.2	138.0
D76437000	3G70 (LNPE)	36.4	258.5	208.0
D76447000	4G70 (3LPE)	40.3	339.0	264.0
D76457000	5G70 (3LNPE)	44.5	423.3	346.0
D76429500	2X95 (LN)	37.5	256.5	186.0
D76439500	3G95 (LNPE)	40.0	332.6	280.0
D76449500	4G95 (3LPE)	45.3	445.1	372.0
D76459500	5G95 (3LNPE)	50.7	560.2	468.0

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Aderkennzeichnung gemäss HD 308 S2

core identification according to HD 308 S2

Funktion und Farbe
Function and Colour

Aderzahl *Number of cores*	Funktion *Function*	Aderfarben *Core colour*	
2	LN	Braun, hellblau *Brown, lightblue*	
3	LNPE	Braun, hellblau, grün-gelb *Brown, lightblue, green-yellow*	
4*	2LNPE*	Braun, hellblau, schwarz, grün-gelb *Brown, lightblue, black, green-yellow*	
4	3LPE	Braun, schwarz, grau, grün-gelb *Brown, black, grey, green-yellow*	
5	3LNPE	Braun, hellblau, schwarz, grau, grün-gelb *Brown, lightblue, black, grey, green-yellow*	
>5	NR	Schwarz mit weissem Ziffernaufdruck *Black with numbers printed in white*	
>5	NRPE	Schwarz mit weissem Ziffernaufdruck und grün-gelb *Black with numbers printed in white and green-yellow*	

* Nicht Norm, aber für bestimmte Anwendungen zulässig
Non-standard, but for specific application acceptable