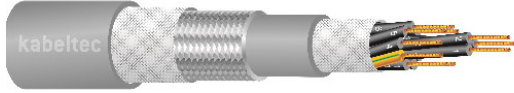


Leitungen für den Schleppketteneinsatz / Cables for use in Drag Chains FLEX-PU-EF-CY

Hochflexible PUR-Steuerleitung, geschirmt
High flexible control cable (PUR) screened



Verwendung:

Für den Einsatz in Regel-, Mess- und Steuerstromkreisen, in der Automatisierungsindustrie, in Fließ und Montagebändern, etc. Einsatz auch in Schleppketten und dort wo schnelle, abrupte Bewegungen entstehen.

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Aufbau:

- Feinstdrähtige Litzen aus blanken CU Drähten
- PVC-Innenmantel
- Abschirmung aus verzinnnten CU-Drähten
- Vliesbandierung
- Schutzleiter grün/gelb in der Außenlage
- PUR Außenmantel grau, RAL 7001
- Litzenaufbau gem. VDE 0295, Klasse 6
- PVC Aderisolation schwarz mit fortlaufendem weißem Zahlendruck
- Adern in abgestimmten Lagen verseilt
- mikrobe- und hydrolysebeständig, adhäsionsarm, flammwidrig, weitgehende ölbeständig

Application:

For use in control circuits, measuring and also in power circuits, in the automation industry, in assembly lines, production lines, etc.

Suitable in drag chains and where fast and abrupt movements exist.

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Construction:

- superfine strands of bare copper wire
- PVC inner sheath
- screen made of tinned copper wire
- textile wrapped
- earth conductor green/yellow in outer layer
- PUR outer sheath grey, RAL 7001
- stranding acc. to VDE 0295 class 6
- PVC core insulation black with continuous white figure imprint
- twisted in layers
- microbe and hydrolysis resistant, adhesion free, flame-retardant, largely oil resistant

Technische Daten:

Leiter Werkstoff	Kupfer, blank
Leiterklasse	Klasse 6
Aderisolationwerkstoff	PVC
Aderkennung	VDE 0293-1
Verseilung	In Lagen verseilt
Außenmantelwerkstoff	PUR
Mantelfarbe	Grau (RAL 7001)
Nennspannung [V]	300 / 500
Prüfspannung [V]	2000
Leiterwiderstand	
Isolationswiderstand	> 20 MΩ x cm
Strombelastbarkeit	
kleinster Biegeradius fest [xd]	4 x d
kleinster Biegeradius bewegt [xd]	7,5 x d
Betriebstemp. fest min/max [C]	-40°C bis +80°C
Betriebstemp. bew. min/mac [C]	-5°C bis +70°C
Temperatur am Leiter max.	
Brandverhalten	IEC 60332-1-2: flammwidrig und selbstverlöschend
Normen	VDE 0245/0285

Technical Data:

Conductor Material	Copper, bare
Conductor class	Class 6
core insulation	PVC
core identification	VDE 0293-1
stranding	Twisted in layers
outer sheath	PUR
sheath colour	Grey (RAL 7001)
rated voltage [V]	300 / 500
testing voltage [V]	2000
conductor resistance	
insulation resistance	> 20 MΩ x cm
current carrying capacity	
min. bending radius fixed [xd]	4 x d
min. bending radius moved [xd]	7,5 x d
working temp fixed min/max [C]	-40°C up to +80°C
working temp moved min/mac [C]	-5°C up to +70°C
temp at conductor max.	
burning behaviour	IEC 60332-1-2: flame-retardant and self-extinguishing
Approvals	VDE 0245/0285

Kabel / Cable

Art Nr. Part No.	Adern 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
291020050	2 x 0.50 OZ	8.10	3.40	7.00
291020075	2 x 0.75 OZ	8.40	4.10	8.10
291020100	2 x 1 OZ	8.80	4.90	9.80
291020150	2 x 1.50 OZ	10.20	5.60	13.80
291030050	3 x 0.50	8.60	4.50	8.00
291030075	3 x 0.75	8.80	4.91	9.80
291030100	3 x 1	9.20	5.90	12.50
291030150	3 x 1.50	10.80	8.70	16.40
291030250	3 x 2.50	11.70	13.40	23.00
291040050	4 x 0.50	9.00	5.20	9.10
291040075	4 x 0.75	9.80	6.16	11.50
291040100	4 x 1	9.70	7.18	14.90
291040150	4 x 1.50	11.70	10.40	19.10
291040250	4 x 2.50	12.60	16.40	30.30
291040400	4 x 4	17.80	23.20	45.30
291040600	4 x 6	20.30	33.70	60.20
291041000	4 x 10	22.00	51.20	94.80
291041600	4 x 16	25.20	79.00	140.50
291050050	5 x 0.50	9.50	6.10	11.20
291050075	5 x 0.75	10.40	7.00	13.10
291050100	5 x 1	10.40	8.44	17.30
291050150	5 x 1.50	11.90	12.20	23.30
291050250	5 x 2.50	13.50	19.50	39.80
291050400	5 x 4	18.30	29.10	52.80
291050600	5 x 6	21.80	43.80	73.50
291051000	5 x 10	26.00	62.60	107.70
291051600	5 x 16	32.00	104.50	179.00
291070050	7 x 0.50	10.70	7.40	12.50
291070075	7 x 0.75	11.70	8.97	17.10
291070100	7 x 1	12.60	11.40	22.50
291070150	7 x 1.50	13.80	16.90	28.50
291070250	7 x 2.50	16.00	28.10	51.00
291120050	12 x 0.50	13.00	9.90	18.70
291120075	12 x 0.75	13.60	15.40	24.30
291120100	12 x 1	14.80	18.80	29.50
291120150	12 x 1.50	17.10	27.00	42.50

Art Nr. Part No.	Adern 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
291120250	12 x 2.50	22.20	44.50	72.20
291140050	14 x 0.50	13.60	10.90	21.20
291140075	14 x 0.75	14.20	16.70	27.60
291140100	14 x 1	15.40	21.60	34.30
291140150	14 x 1.50	18.30	31.50	47.70
291140250	14 x 2.50	23.00	55.10	80.60
291180050	18 x 0.50	14.70	13.20	26.20
291180075	18 x 0.75	15.50	20.50	35.60
291180100	18 x 1	16.80	27.10	43.90
291180150	18 x 1.50	20.30	38.80	59.50
291180250	18 x 2.50	25.80	68.70	97.40
291200050	20 x 0.50	15.30	15.50	28.70
291200075	20 x 0.75	17.20	22.00	37.50
291200100	20 x 1	17.50	30.20	48.70
291200150	20 x 1.50	21.10	43.20	64.70
291250050	25 x 0.50	17.70	18.70	35.00
291250075	25 x 0.75	18.90	27.70	47.90
291250100	25 x 1	20.90	37.50	61.00
291250150	25 x 1.50	23.10	52.80	79.20
291250250	25 x 2.50	30.10	89.80	126.80
291340100	34 x 1	23.70	50.50	82.60
291340150	34 x 1.50	25.20	78.30	102.80
291360050	36 x 0.50	18.60	25.50	48.80
291360075	36 x 0.75	20.70	37.00	62.50
291360100	36 x 1	24.90	52.90	87.40
291410100	41 x 1	25.70	59.90	99.60
291420150	42 x 1.50	28.80	83.40	123.60
291500100	50 x 1	27.80	72.50	121.20
291500150	50 x 1.50	31.32	99.50	144.40
291650100	65 x 1	31.50	93.50	157.20

Kontakt: