

Leitungen für den Schleppketteneinsatz / Cables for use in Drag Chains

FLEX-PU-EF

Hochflexible PUR-Steuerleitung
High flexible PUR control cable



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.

Aufbau:

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

Technische Daten:

Leiter Werkstoff	Kupfer, blank
Leiterklasse	Klasse 6
Aderisolationwerkstoff	PVC
Aderkennung	schwarz nummeriert mit grün/gelb
Verseilung	In Lagen verseilt
Außenmantelwerkstoff	PUR
Mantelfarbe	Grau (RAL 7001)
Nennspannung [V]	300 / 500
Prüfspannung [V]	4000
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

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.

Construction:

- superfine strands of bare copper wire
- stranding acc. to VDE 0295 class 6
- PVC core insulation, black cores, numbered
- earth conductor green/yellow in other layer
- textile wrapped
- twisted in layers
- PUR outer sheath grey, RAL 7001 acc. to VDE 0207
- microbe-resistant and hydrolysis resistant, flame-retardant

Technical Data:

Conductor Material	Copper, bare
Conductor class	Class 6
core insulation	PVC
core identification	black numbered with earth
stranding	Twisted in layers
outer sheath	PUR
sheath colour	Grey (RAL 7001)
rated voltage [V]	300 / 500
testing voltage [V]	4000
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
273020050	2 x 0.50 OZ	5.40	0.96	3.40
273020075	2 x 0.75 OZ	6.00	1.44	4.30
273020100	2 x 1 OZ	6.70	1.92	5.00
273020150	2 x 1.50 OZ	7.80	2.90	6.70
273030050	3 x 0.50	5.70	1.44	4.10
273030075	3 x 0.75	6.30	2.16	5.10
273030100	3 x 1	7.00	2.90	6.40
273030150	3 x 1.50	8.20	4.30	8.30
273030250	3 x 2.50	9.70	7.20	15.70
273030400	3 x 4	12.50	11.52	22.40
273030600	3 x 6	14.40	17.30	32.80
273031000	3 x 10	17.30	28.80	50.80
273040050	4 x 0.50	6.10	1.92	4.80
273040075	4 x 0.75	6.80	2.90	6.60
273040100	4 x 1	7.50	3.84	7.80
273040150	4 x 1.50	8.90	5.80	10.60
273040250	4 x 2.50	10.60	9.60	18.90
273040400	4 x 4	13.50	15.40	27.60
273040600	4 x 6	14.90	23.00	41.60
273041000	4 x 10	19.10	38.40	64.40
273041600	4 x 16	24.10	61.40	107.50
273050050	5 x 0.50	6.60	2.40	5.70
273050075	5 x 0.75	7.40	3.60	7.50
273050100	5 x 1	8.60	4.80	10.00
273050150	5 x 1.50	9.70	7.20	13.40
273050250	5 x 2.50	11.50	12.00	24.60
273050400	5 x 4	14.60	19.20	37.70
273050600	5 x 6	16.80	28.80	52.40
273051000	5 x 10	21.00	48.00	80.50
273051600	5 x 16	26.65	76.80	137.60
273070050	7 x 0.50	7.80	3.40	8.20
273070075	7 x 0.75	8.70	5.00	10.50
273070100	7 x 1	10.00	6.70	12.90
273070150	7 x 1.50	11.50	10.10	17.30
273070250	7 x 2.50	13.60	16.80	32.80
273070400	7 x 4	17.40	26.90	47.40

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
273070600	7 x 6	19.10	40.30	75.10
273071600	7 x 16	28.60	107.50	177.00
273120050	12 x 0.50	9.80	5.80	12.90
273120075	12 x 0.75	10.80	8.60	17.20
273120100	12 x 1	12.70	11.50	20.80
273120150	12 x 1.50	14.30	17.30	28.80
273120250	12 x 2.50	17.20	28.80	52.90
273140050	14 x 0.50	10.10	6.70	13.90
273140075	14 x 0.75	11.30	10.10	19.20
273140100	14 x 1	12.80	13.40	23.70
273140150	14 x 1.50	15.10	20.20	33.00
273140250	14 x 2.50	18.50	33.60	61.50
273180050	18 x 0.50	11.30	8.64	18.50
273180075	18 x 0.75	12.70	13.00	24.70
273180100	18 x 1	14.20	17.30	31.00
273180150	18 x 1.50	16.70	25.90	42.40
273180250	18 x 2.50	20.30	43.20	77.90
273200050	20 x 0.50	11.90	9.60	19.10
273200075	20 x 0.75	13.30	14.40	25.20
273200100	20 x 1	14.70	19.20	30.90
273200150	20 x 1.50	17.50	28.80	46.60
273250050	25 x 0.50	13.90	12.00	21.40
273250075	25 x 0.75	15.00	18.00	34.60
273250100	25 x 1	16.90	24.00	42.60
273250150	25 x 1.50	20.80	36.00	57.40
273250250	25 x 2.50	25.10	60.00	106.40
273270050	27 x 0.50	14.50	13.00	23.90
273270100	27 x 1	17.50	25.90	42.30
273270150	27 x 1.50	20.80	38.90	61.30
273340050	34 x 0.50	16.20	16.32	28.40
273340075	34 x 0.75	17.00	24.50	42.00
273340100	34 x 1	18.90	32.60	50.10
273340150	34 x 1.50	23.80	49.00	75.30
273360050	36 x 0.50	16.20	17.30	30.10
273360075	36 x 0.75	17.50	25.90	44.80
273360100	36 x 1	19.30	34.60	52.80

Kontakt:

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
273360150	36 x 1.50	25.80	51.80	77.20
273410050	41 x 0.50	18.40	19.70	35.20
273410075	41 x 0.75	18.60	29.60	51.90
273410100	41 x 1	22.00	39.90	59.90
273420150	42 x 1.50	27.10	60.50	88.10
273500050	50 x 0.50	20.40	24.00	43.30
273500075	50 x 0.75	19.80	36.00	64.50
273500100	50 x 1	23.80	48.00	73.10
273500150	50 x 1.50	29.20	72.00	100.90
273610150	61 x 1.50	32.00	87.80	120.70
273650100	65 x 1	25.70	62.40	95.60
273650150	65 x 1.50	33.70	93.60	127.90