

Steuerleitungen / Control Cables

PU-CY

Geschirmte PUR-Steuerleitung, nummeriert
Screened pur-control cable, number coded



Verwendung:

Abriebfeste und kerbzähe Steuerleitung. Beständig gegen mineralische Öle, speziell auch gegen Kühlmittlemulsionen und gegen UV-Strahlen. Die CU-Abschirmung verhindert starke elektromagnetische Störimpulse und eignet sich daher besonders als Datentransfer- und Verbindungsleitung.

Aufbau:

- Feindrähtige Litze aus blanken CU-Drähten
- In Lagen verseilte Adern
- Innenmantel PVC-Spezialmischung
- Litzenaufbau nach VDE 0295, Klasse 5
- PVC isolierte Adern
- Adern fortlaufend nummeriert
- Schutzleiter grün/gelb
- Abschirmgeflecht aus verzinnnten Kupferdrähte
- PUR Außenmantel
- Mantelfarbe grau, RAL 7001

Application:

Control cable with high abrasion and tear resistant properties. Also resistant to mineral oils, especially to coolant emulsions and UV-radiation. The copper braiding screening prevents interferences of high electrical influences and is, therefore, suitable as data transmission cable and connection cable.

Construction:

- bare copper conductor
- cores twisted in layers
- inner sheath of special PVC-compound
- stranding acc. to VDE 0295 class 5
- PVC insulated cores
- cores consecutive numbered
- protective conductor: green/yellow
- tinned copper wire braid
- PUR outer sheath
- colour of sheath grey, RAL 7001

Technische Daten:

Leiter Werkstoff	Kupfer, blank
Leiterklasse	Klasse 5 nach VDE 0295 bzw. IEC 60228
Aderisolationwerkstoff	PUR
Aderkennung	VDE 0293-1
Verseilung	Adern in Lagen verseilt
Außenmantelwerkstoff	PUR
Mantelfarbe	Grau (RAL 7001)
Nennspannung [V]	300 / 500
Prüfspannung [V]	4000
Leiterwiderstand	
Isolationswiderstand	> 20 MΩ x km
Strombelastbarkeit	
kleinster Biegeradius fest [xd]	6 x d
kleinster Biegeradius bewegt [xd]	20 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: flammwidrig und selbstverlöschend
Normen	Ölbeständigkeit VDE 0472 teil 803 VDE 0285

Technical Data:

Conductor Material	Copper, bare
Conductor class	Class 5 acc. to VDE 0295 or IEC 60228
core insulation	PUR
core identification	VDE 0293-1
stranding	Cores 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 km
current carrying capacity	
min. bending radius fixed [xd]	6 x d
min. bending radius moved [xd]	20 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: flame-retardant and self-extinguishing
Approvals	Oil resistance VDE 0472 part 803 VDE 0285

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
274020050	2 x 0.50	6.60	3.30	6.80
274020075	2 x 0.75	7.20	4.50	8.50
274020100	2 x 1	8.10	4.60	9.70
274020150	2 x 1.50	8.50	7.70	11.60
274020250	2 x 2.50	10.60	9.60	18.00
274020400	2 x 4	12.60	13.40	30.00
274030050	3 x 0.50	7.10	3.90	8.40
274030075	3 x 0.75	7.70	5.20	9.80
274030100	3 x 1	8.50	5.60	10.20
274030150	3 x 1.50	8.90	7.50	13.50
274030250	3 x 2.50	11.10	16.30	19.10
274030400	3 x 4	13.40	17.80	34.00
274030600	3 x 6	15.20	24.10	45.30
274031000	3 x 10	19.50	37.00	75.00
274040050	4 x 0.50	7.60	4.60	9.50
274040075	4 x 0.75	8.20	7.70	11.20
274040100	4 x 1	9.00	7.00	12.90
274040150	4 x 1.50	9.70	9.50	16.20
274040250	4 x 2.50	12.10	17.50	23.20
274040400	4 x 4	15.00	23.80	34.50
274040600	4 x 6	17.00	31.80	48.30
274041000	4 x 10	21.50	55.80	73.30
274041600	4 x 16	24.60	104.00	134.00
274042500	4 x 25	30.60	131.20	189.40
274043500	4 x 35	36.90	161.20	239.50
274045000	4 x 50	41.30	221.80	331.20
274047000	4 x 70	48.80	309.20	460.50
274049500	4 x 95	55.80	406.30	605.50
2740412000	4 x 120	59.40	515.40	731.80
274050050	5 x 0.50	8.20	5.20	10.70
274050075	5 x 0.75	8.80	7.00	13.00
274050100	5 x 1	9.90	8.50	15.20
274050150	5 x 1.50	10.80	12.00	18.70
274050250	5 x 2.50	13.20	20.00	28.20
274050400	5 x 4	16.40	32.70	41.20
274050600	5 x 6	18.60	44.00	57.60

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274051000	5 x 10	23.90	61.20	111.40
274051600	5 x 16	27.30	139.30	155.00
274052500	5 x 25	34.10	184.00	227.20
274053500	5 x 35	41.10	201.60	289.00
274055000	5 x 50	45.80	277.20	410.00
274057000	5 x 70	53.10	386.50	571.00
274070050	7 x 0.50	9.40	6.90	13.50
274070075	7 x 0.75	10.10	9.20	16.10
274070100	7 x 1	11.60	11.00	18.40
274070150	7 x 1.50	12.50	14.60	23.60
274070250	7 x 2.50	15.90	23.40	37.00
274070400	7 x 4	18.20	35.40	64.00
274070600	7 x 6	20.70	50.50	90.50
274071000	7 x 10	26.50	82.20	150.50
274080100	8 x 1	12.50	13.00	27.00
274080150	8 x 1.50	13.70	17.10	33.50
274100050	10 x 0.50	11.20	8.10	17.00
274100075	10 x 0.75	12.20	14.10	27.00
274100100	10 x 1	14.00	13.70	33.00
274100150	10 x 1.50	15.10	19.20	42.20
274120050	12 x 0.50	11.30	11.80	19.50
274120075	12 x 0.75	12.30	15.00	24.50
274120100	12 x 1	14.40	18.70	30.60
274120150	12 x 1.50	15.50	25.40	39.20
274120250	12 x 2.50	19.50	36.90	58.00
274140050	14 x 0.50	0.00	0.00	0.00
274140075	14 x 0.75	13.00	14.50	31.70
274140100	14 x 1	15.00	19.90	40.20
274140150	14 x 1.50	16.10	27.20	48.00
274160100	16 x 1	15.90	20.20	42.00
274160150	16 x 1.50	17.20	28.40	52.50
274180050	18 x 0.50	12.90	15.50	27.80
274180075	18 x 0.75	14.60	24.30	35.40
274180100	18 x 1	17.00	30.30	41.70
274180150	18 x 1.50	18.60	40.00	53.60
274200100	20 x 1	17.80	28.50	54.50

Kontakt:

Kabel / Cable

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274210050	21 x 0.50	0.00	0.00	0.00
274210075	21 x 0.75	16.00	23.00	45.50
274210150	21 x 1.50	20.00	41.50	72.20
274250050	25 x 0.50	15.90	25.10	40.60
274250075	25 x 0.75	17.80	25.80	46.30
274250100	25 x 1	20.60	37.90	54.10
274250150	25 x 1.50	22.10	57.20	74.20
274300050	30 x 0.50	15.90	25.10	40.60
274320075	32 x 0.75	18.70	33.10	68.80
274340075	34 x 0.75	18.90	31.50	59.80
274340100	34 x 1	23.10	44.00	73.50
274340150	34 x 1.50	24.70	75.40	96.00
274360050	36 x 0.50	17.80	32.00	58.70
274400050	40 x 0.50	19.10	34.40	65.50
274410050	41 x 0.50	19.00	34.40	66.50
274410075	41 x 0.75	21.50	50.00	72.50
274410100	41 x 1	25.00	52.30	86.00
274410150	41 x 1.50	26.80	66.70	111.80
274420150	42 x 1.50	27.50	76.70	137.00
274500050	50 x 0.50	20.90	40.80	74.20
274500075	50 x 0.75	23.30	48.00	110.00
274500100	50 x 1	29.00	62.50	131.80
274500150	50 x 1.50	29.30	97.60	167.70

Kontakt: