Screened and abrasion-resistant control cables with PUR sheath for increased application requirements

Product Description

Increased durability under harsh conditions thanks to robust PUR outer sheath;Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media;Copper braiding screens the cable against electromagnetic interference

CE RoHS

Application range

- Machine tools
- Industrial machinery
- Measurement, control and electrical applications
- Very suitable for oily wet areas within machinery and production lines that are subject to normal mechanical stress
- Outdoor use is possible within the indicated operating temperature range

Benefits

- Increased durability under harsh conditions thanks to robust PUR outer sheath
- Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media
- Copper braiding screens the cable against electromagnetic interference

Design

- Fine-wire strand made of bare copper wires
- Core insulation: special PVC
- Cores twisted in layers
- PVC inner sheath, grey
- Tinned-copper braiding
- Special polyurethane outer sheath (PUR)
- Sheath colour: silver grey (RAL 7001)

Product features

- High oil-resistance
- Abrasion and notch-resistant

- EMC-compliant
- Low-adhesive surface
- Resistant to hydrolysis and microbes

Technical Data

Core identification code
Black with white numbers acc. to VDE 0293
Based on
Based on VDE 0281 und 0282
Specific insulation resistance
> 20 GOhm x cm
Conductor stranding
Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius
Occasional flexing: 20 x outer diameter
Fixed installation: 6 x outer diameter

Nominal voltage
U0/U: 300/500 V
Test voltage
4000 V
Protective conductor
G = with GN-YE protective conductor
X = without protective conductor
Temperature range
Occasional flexing: -5°C to +70°C
Fixed installation: -40°C to +80°C

Article List

Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CLASSIC 400 CP				
1313852	2 X 0,75	7,4	45.0	85
1313103	3 G 0,75	7,9	52.0	99
1313853	3 X 0,75	7,9	52.0	99
1313104	4 G 0,75	8,4	77.0	114
1313854	4 X 0,75	8,4	77.0	114
1313105	5 G 0,75	8,9	84.0	130
1313855	5 X 0,75	8,9	84.0	130
1313107	7 G 0,75	9,7	92.0	161
1313857	7 X 0,75	9,7	92.0	161
1313112	12 G 0,75	12,3	138.0	245
1313118	18 G 0,75	14,5	219.0	354
1313125	25 G 0,75	16,6	277.0	463
1313134	34 G 0,75	18,9	420.0	598

1313141	41 G 0,75	20,6	500.0	725
1313902	2 X 1,0	7,9	50.0	97
1313203	3 G 1,0	8,2	77.0	111
1313903	3 X 1,0	8,2	77.0	111
1313204	4 G 1,0	8,7	87.0	129
1313904	4 X 1,0	8,7	87.0	129
1313205	5 G 1,0	9,5	90.0	152
1313207	7 G 1,0	10,2	110.0	184
1313212	12 G 1,0	13,3	194.0	306
1313218	18 G 1,0	15,5	267.0	417
1313225	25 G 1,0	17,5	379.0	541
1313234	34 G 1,0	20,3	516.0	735
1313241	41 G 1,0	22.0	610.0	860
1313952	2 X 1,5	8,5	77.0	116
1313303	3 G 1,5	8,9	85.0	135
1313953	3 X 1,5	8,9	85.0	135
1313304	4 G 1,5	9,6	100.0	162
1313954	4 X 1,5	9,6	100.0	162
1313305	5 G 1,5	10,3	120.0	187
1313955	5 X 1,5	10,3	120.0	187
1313307	7 G 1,5	11,3	152.0	236
1313957	7 X 1,5	11,3	152.0	236
1313312	12 G 1,5	14,8	267.0	392
1313318	18 G 1,5	17,2	400.0	536
1313325	25 G 1,5	20,1	572.0	742
1313334	34 G 1,5	21,9	754.0	960
1313341	41 G 1,5	24,7	874.0	1118
1313403	3 G 2,5	10,3	121.0	191
1313404	4 G 2,5	11,3	163.0	232
1313405	5 G 2,5	12,6	199.0	282
1313407	7 G 2,5	13,9	261.0	370
1313412	12 G 2,5	17,2	470.0	580
1313504	4 G 4	13,4	238.0	345
1313505	5 G 4	14,7	279.0	412
1313604	4 G 6	15,8	318.0	483
1313605	5 G 6	17,3	370.0	576
1313614	4 G 10	19.0	558.0	733
1313624	4 G 16	22,2	804.0	1340

Footnote:

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.