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Control Cables
Shielded



Features

- Class 5 flexible plain copper wires
- LSZH (Low Smoke Zero Halogen) insulation
- Suitable for use in dry, ambient and wet rooms
- For instrumentation and control equipment, production lines and flexible applications with free movement without tensile load
- Screen protects against external interface pulses
- These cables are not suitable for outdoor or underground installation

Specification

Cable Type	Control cable
Jacket Colour	Grey
Jacket Material	LSZH
Shielding	Shielded (CY)
Core Colour	Black with white number, green / yellow
Original Packaging	50 m, sold by reel
Test Voltage	2 kV
Voltage Rating	300 / 500 V
Fixed Temperature	-40 °C to 80 °C
Flexed Temperature	-15 °C to 70 °C
Minimum Bending Radius (Fixed)	6 x overall diameter
Minimum Bending Radius (Flexed)	15 x overall diameter
Seperator	PET (polyester tape)
Screen	TCWB (tinned copper wire braid)

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RND cable

Product Range/Dimensions

Art.Nr.	Cores	Nominal Cross-Section Area (mm²)	Nominal Thickness of Insulation (mm)	Nominal Outer Sheath Thickness (mm)	Nominal Overall Diameter (mm)	Nominal Weight (kg/km)	Hummel PA Nylon Gland Size
RND 475-00782	2	0.75	0.4	0.6	5.5	45	16
RND 475-00783	2	1	0.4	0.7	6.1	56	16
RND 475-00784	2	1.5	0.4	0.7	6.7	69	16
RND 475-00785	3	0.75	0.4	0.7	6	61	16
RND 475-00786	3	1	0.4	0.7	6.4	71	16
RND 475-00787	3	1.5	0.4	0.7	7.1	90	16
RND 475-00788	3	2.5	0.5	0.8	8.6	136	20
RND 475-00789	4	0.75	0.4	0.7	6.5	75	16
RND 475-00790	4	1	0.4	0.7	7	89	16
RND 475-00791	4	1.5	0.4	0.7	7.7	114	16
RND 475-00792	5	0.75	0.4	0.7	7	89	16
RND 475-00793	5	1	0.4	0.7	7.6	107	16
RND 475-00794	5	1.5	0.4	0.8	8.6	142	20
RND 475-00795	7	0.75	0.4	0.7	7.6	112	16
RND 475-00796	7	1	0.4	0.7	8.4	139	20
RND 475-00797	7	1.5	0.4	0.8	9.3	180	20

Electrical Characteristics

Nominal Cross Sectional Area (mm²)	Current Carrying Capacities 30°C Continuous Loading (A)	Maximum Resistance of Conductor at 20°C (ohms/km)
0.5	9	39
0.75	12	26
1	15	19.5
1.5	18	13.3
2.5	23	7.89
4	34	4.95
6	44	3.3
10	61	1.91
16	82	1.21
25	108	0.780
35	135	0.554