

# 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
Separator	PET (polyester tape)
Screen	TCWB (tinned copper wire braid)

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## Product Range/Dimensions

Art.Nr.	Cores	Nominal Cross-Section Area (mm <sup>2</sup> )	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 (mm <sup>2</sup> )	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