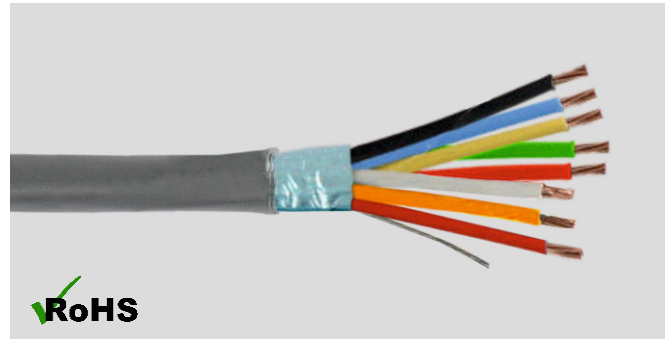


Shielded Multiconductor Control Cable E-Series



Norden Shielded Multiconductor Control Cables E-Series are designed for reliable transmission of control signals and low-voltage power in industrial automation systems, machinery, and equipment. Constructed with multiple insulated conductors under a common jacket with a shielding providing strong protection against electromagnetic interference (EMI), these cables provide organized and efficient wiring solutions for fixed or flexible installations. These cables offer excellent electrical performance and mechanical durability. Available in various conductor configurations, insulation/jacket materials, and shielding options, Shielded Multiconductor Control Cables meet the requirements of a wide range of industrial applications, ensuring long-term operational stability and safety.



CABLE CONSTRUCTION

Conductor
Stranded Plain
Annealed Copper

Shielding Material
PET Foil + AL Foil

Drain Wire Size
7/0.20

Jacket Color
Default : Grey or
As per requirement

Insulation
PE / LSZH / PVC

Drain Wire Material
Tinned Copper

Outer Jacket
PVC / PE / LSZH

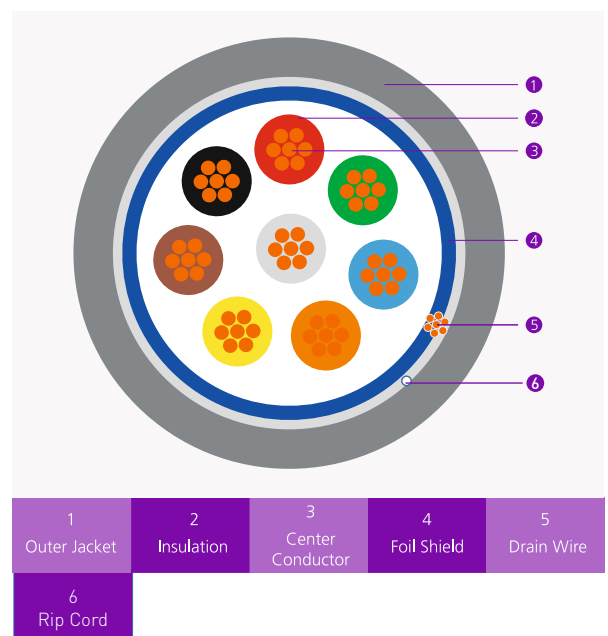
Rip Cord
Yes

PHYSICAL CHARACTERISTICS

Characteristic	Value						
	12AWG	14AWG	16AWG	18AWG	20AWG	22AWG	24AWG
No. of Conductor /Diameter (mm)	19/0.43	19/0.345	26/0.24	7/0.38	7/0.32	7/0.235	7/0.185
Insulation Thickness (mm)	0.31	0.25	0.19	0.22	0.21	0.22	0.24
Insulation Outer Diameter (mm)	2.8	2.25	1.8	1.6	1.4	1.15	1.1
Operating Temperature	-10°C to +60°C						
Operating Voltage	300/500V						

INSULATION COLOUR CODE

Individual Core	Colour
Core 1	Black
Core 2	White
Core 3	Red
Core 4	Green
Core 5	Brown
Core 6	Blue
Core 7	Orange
Core 8	Yellow



Shielded Multiconductor Control Cable E-Series



ELECTRICAL & MECHANICAL CHARACTERISTICS

No. of Conductor / Size	Nom. Conductor DCR (20°C Ω/KM)	Nom. Capacitance Cond. to Cond (PF/m)	Nom. Shield Resistance (Ω)	Max. Bend Radius	Max. Pulling Tension (N)
2 Core 12 AWG	6.50	72	69	6 x OD	1300
2 Core 14 AWG	10.10	74	69	6 x OD	1100
2 Core 16 AWG	15.25	73	68	6 x OD	900
2 Core 18 AWG	22.59	40	126	6 x OD	700
2 Core 20 AWG	31.86	60	84	6 x OD	540
2 Core 22 AWG	59.08	53	93	6 x OD	180
2 Core 24 AWG	95.33	46	106	6 x OD	234
3 Core 14 AWG	10.10	74	69	6 x OD	1650
3 Core 16 AWG	15.25	73	68	6 x OD	1350
3 Core 18 AWG	22.59	40	126	6 x OD	1050
3 Core 20 AWG	31.86	60	84	6 x OD	810
3 Core 22 AWG	59.08	53	93	6 x OD	270
4 Core 14 AWG	10.10	74	69	6 x OD	2200
4 Core 16 AWG	15.25	73	68	6 x OD	1800
4 Core 18 AWG	22.59	40	126	6 x OD	1400
4 Core 20 AWG	31.86	60	84	6 x OD	1080
4 Core 22 AWG	59.08	53	93	6 x OD	360
5 Core 16 AWG	15.25	73	68	6 x OD	2250
6 Core 14 AWG	10.10	74	69	6 x OD	3300
6 Core 16 AWG	15.25	73	68	6 x OD	2700
6 Core 18 AWG	22.59	40	126	6 x OD	2100
6 Core 20 AWG	31.86	60	84	6 x OD	1620
6 Core 22 AWG	59.08	53	93	6 x OD	540
8 Core 14 AWG	10.10	74	69	6 x OD	4400
8 Core 16 AWG	15.25	73	68	6 x OD	3600
8 Core 18 AWG	22.59	40	126	6 x OD	2800
8 Core 20 AWG	31.86	60	84	6 x OD	2160
8 Core 22 AWG	59.08	53	93	6 x OD	720

ORDERING INFORMATION

Part Number	Description	Jacket Thickness (mm)	Jacket Diameter (mm)
NCE-13202122	2 Core 12 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.55	6.7
NCE-13202142	2 Core 14 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.50	5.6
NCE-13202162	2 Core 16 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.45	4.6
NCE-13202182	2 Core 18 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.45	4.1
NCE-13202202	2 Core 20 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.50	3.9
NCE-13202222	2 Core 22 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.40	3.2
NCE-13202242	2 Core 24 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.60	3.5
NCE-13203142	3 Core 14 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.68	6.4
NCE-13203162	3 Core 16 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.56	5.2
NCE-13203182	3 Core 18 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.48	4.6
NCE-13203202	3 Core 20 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.49	4.2
NCE-13203222	3 Core 22 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.46	3.6
NCE-13204142	4 Core 14 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.73	7.1
NCE-13204162	4 Core 16 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.63	5.8
NCE-13204182	4 Core 18 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.62	5.3



Shielded Multiconductor Control Cable E-Series



ORDERING INFORMATION

Part Number	Description	Jacket Thickness (mm)	Jacket Diameter (mm)
NCE-13204202	4 Core 20 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.61	4.8
NCE-13204222	4 Core 22 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.61	4.2
NCE-13206142	6 Core 14 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.78	8.5
NCE-13206162	6 Core 16 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.80	7.2
NCE-13206182	6 Core 18 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.75	6.5
NCE-13206202	6 Core 20 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.65	5.7
NCE-13206222	6 Core 22 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.58	4.8
NCE-13208142	8 Core 14 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.83	9.3
NCE-13208162	8 Core 16 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.78	7.7
NCE-13208182	8 Core 18 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.76	7.0
NCE-13208202	8 Core 20 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.74	6.3
NCE-13208222	8 Core 22 AWG Shielded Multiconductor Control Cable LSZH E-Series	0.60	5.2
NCE-13202141	2 Core 14 AWG Shielded Multiconductor Control Cable PVC E-Series	0.50	5.6
NCE-13202161	2 Core 16 AWG Shielded Multiconductor Control Cable PVC E-Series	0.45	4.6
NCE-13202181	2 Core 18 AWG Shielded Multiconductor Control Cable PVC E-Series	0.45	4.1
NCE-13202201	2 Core 20 AWG Shielded Multiconductor Control Cable PVC E-Series	0.50	3.9
NCE-13202221	2 Core 22 AWG Shielded Multiconductor Control Cable PVC E-Series	0.40	3.2
NCE-13203141	3 Core 14 AWG Shielded Multiconductor Control Cable PVC E-Series	0.68	6.4
NCE-13203161	3 Core 16 AWG Shielded Multiconductor Control Cable PVC E-Series	0.56	5.2
NCE-13203181	3 Core 18 AWG Shielded Multiconductor Control Cable PVC E-Series	0.48	4.6
NCE-13203201	3 Core 20 AWG Shielded Multiconductor Control Cable PVC E-Series	0.49	4.2
NCE-13203221	3 Core 22 AWG Shielded Multiconductor Control Cable PVC E-Series	0.46	3.6
NCE-13204141	4 Core 14 AWG Shielded Multiconductor Control Cable PVC E-Series	0.73	7.1
NCE-13204161	4 Core 16 AWG Shielded Multiconductor Control Cable PVC E-Series	0.63	5.8
NCE-13204181	4 Core 18 AWG Shielded Multiconductor Control Cable PVC E-Series	0.62	5.3
NCE-13204201	4 Core 20 AWG Shielded Multiconductor Control Cable PVC E-Series	0.61	4.8
NCE-13204221	4 Core 22 AWG Shielded Multiconductor Control Cable PVC E-Series	0.61	4.2
NCE-13206141	6 Core 14 AWG Shielded Multiconductor Control Cable PVC E-Series	0.78	8.5
NCE-13206161	6 Core 16 AWG Shielded Multiconductor Control Cable PVC E-Series	0.80	7.2
NCE-13206181	6 Core 18 AWG Shielded Multiconductor Control Cable PVC E-Series	0.75	6.5
NCE-13206201	6 Core 20 AWG Shielded Multiconductor Control Cable PVC E-Series	0.65	5.7
NCE-13206221	6 Core 22 AWG Shielded Multiconductor Control Cable PVC E-Series	0.58	4.8
NCE-13208141	8 Core 14 AWG Shielded Multiconductor Control Cable PVC E-Series	0.83	9.3
NCE-13208161	8 Core 16 AWG Shielded Multiconductor Control Cable PVC E-Series	0.78	7.7
NCE-13208181	8 Core 18 AWG Shielded Multiconductor Control Cable PVC E-Series	0.76	7.0
NCE-13208201	8 Core 20 AWG Shielded Multiconductor Control Cable PVC E-Series	0.74	6.3
NCE-13208221	8 Core 22 AWG Shielded Multiconductor Control Cable PVC E-Series	0.60	5.2
NCE-13205163	5 Core 16 AWG Shielded Multiconductor Control Cable PE E-Series	0.80	6.7

