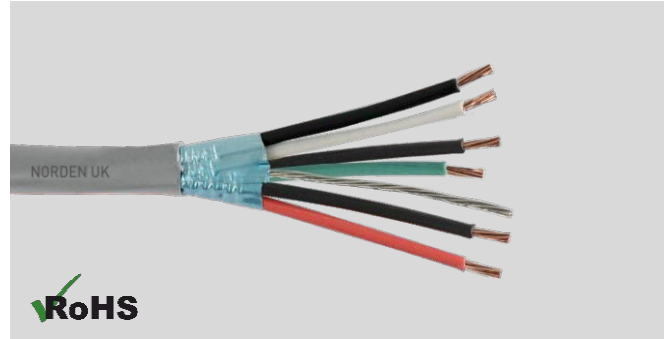


Shielded Paired Control Cable

Norden Shielded Paired Control Cable is ideal for audio, control, and instrumentation applications. It has twisted copper pairs for reliable signal transmission and an aluminum foil shield to block electrical noise. A tinned copper drain wire provides grounding and improves shielding. Together, these features ensure clear and stable signal performance.



CABLE CONSTRUCTION

Conductor Stranded Tinned Copper	Shielding Material AL Foil	Outer Jacket LSZH/PVC
Insulation PE	Drain Wire Tinned Copper	Jacket Color Grey or as requested

STANDARD COMPLIANCE

LSZH: IEC 60754-1, IEC 60754-2, IEC 60332-1-2

PHYSICAL CHARACTERISTICS

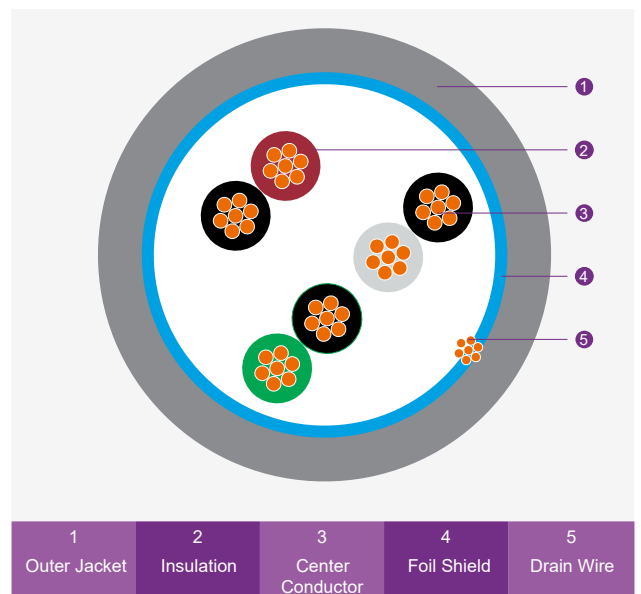
Characteristic	Value					
	14AWG	16AWG	18AWG	20AWG	22AWG	24AWG
No. of Conductor /Diameter (mm)	41/0.254	26/0.254	16/0.254	19/0.2	7/0.254	7/0.20
PE Insulation						
Insulation Thickness (mm)	0.85	0.80	0.48	0.41	0.41	0.39
Drain Wire	7/0.31TC	7/0.31TC	7/0.31TC	7/0.20TC	7/0.20TC	7/0.20TC
Insulation Outer Diameter (mm)	3.58	3.10	2.15	1.83	1.60	1.40
Operating Temperature	-10 to +60C					
Operating Voltage	300/500V					

INSULATION COLOR CODE

Pair	Colour
Pair 1	Black/Red
Pair 2	Black/White
Pair 3	Black/Green
Pair 4	Black/Blue

MECHANICAL CHARACTERISTICS

Characteristic	Value	
	Before	After
Tensile Strength PE/PVC (MPA)	Before	15.0
	After	12.0
Tensile Strength PE/LSZH (MPA)	Before	14.5
	After	12.0
Aging Elongation PE/PVC	Before	150%
	After	120%
Aging Elongation PE/PLSZH	Before	200%
	After	150%



Shielded Paired Control Cable

MECHANICAL & ELECTRICAL CHARACTERISTICS

No. of Conductor/Size	Nom. Conductor DCR (20° C Ω/KM)	Nom. Capacitance Cond. to Cond (PF/m)	Nom. Shield Resistance (Ω/km)	Max. Pulling Tension (N)	Jacket thickness mm	Jacket OD mm
1 Pair 14AWG	9.26	41	95.20	104	0.90	9.15
1 Pair 16AWG	14.61	37	111.10	72	0.80	8.00
1 Pair 18AWG	23.75	42	166.60	50	0.75	6.00
1 Pair 20AWG	32.26	43	190.40	32	0.70	5.25
1 Pair 22AWG	54.29	36	222.20	21	0.65	4.70
1 Pair 24AWG	87.56	33	266.60	15	0.60	4.20
2 Pair 14AWG	9.26	41	83.30	196	0.90	10.65
2 Pair 16AWG	14.61	37	95.20	132	0.81	9.30
2 Pair 18AWG	23.75	42	133.30	86	0.75	6.90
2 Pair 20AWG	32.26	43	166.60	60	0.72	6.05
2 Pair 22AWG	54.29	36	166.60	37	0.69	5.45
2 Pair 24AWG	87.56	33	190.50	25	0.61	4.80
3 Pair 14AWG	9.26	41	53.30	290	0.92	15.10
3 Pair 16AWG	14.61	37	60.60	192	0.79	13.10
3 Pair 18AWG	23.75	42	88.90	133	0.75	9.55
3 Pair 20AWG	32.26	43	111.10	76	0.71	8.30
3 Pair 22AWG	54.29	36	121.20	53	0.71	7.45
3 Pair 24AWG	87.56	33	133.30	35	0.60	6.50
4 Pair 14AWG	9.26	41	47.60	390	0.91	16.70
4 Pair 16AWG	14.61	37	55.50	252	0.80	14.50
4 Pair 18AWG	23.75	42	78.40	160	0.74	10.50
4 Pair 20AWG	32.26	43	95.20	113	0.70	9.10
4 Pair 22AWG	54.29	36	111.10	69	0.72	8.20
4 Pair 24AWG	87.56	33	121.20	45	0.63	7.20

ORDERING INFORMATION

Part Number	Description	Net Weight (Kg/km)
NC7-13201141	1 pair 14 AWG Shielded Paired cable PVC	29.00
NC7-13201161	1 pair 16 AWG Shielded Paired cable PVC	21.30
NC7-13201181	1 pair 18 AWG Shielded Paired cable PVC	13.60
NC7-13201201	1 pair 20 AWG Shielded Paired cable PVC	10.10
NC7-13201221	1 pair 22 AWG Shielded Paired cable PVC	7.70
NC7-13201241	1 pair 24 AWG Shielded Paired cable PVC	6.05
NC7-13202141	2 pair 14 AWG Shielded Paired cable PVC	47.50
NC7-13202161	2 pair 16 AWG Shielded Paired cable PVC	34.10
NC7-13202181	2 pair 18 AWG Shielded Paired cable PVC	21.00
NC7-13202201	2 pair 20 AWG Shielded Paired cable PVC	15.50
NC7-13202221	2 pair 22 AWG Shielded Paired cable PVC	11.70
NC7-13202241	2 pair 24 AWG Shielded Paired cable PVC	8.70
NC7-13203141	3 pair 14 AWG Shielded Paired cable PVC	70.40
NC7-13203161	3 pair 16 AWG Shielded Paired cable PVC	49.80
NC7-13203181	3 pair 18 AWG Shielded Paired cable PVC	30.40
NC7-13203201	3 pair 20 AWG Shielded Paired cable PVC	22.70
NC7-13203221	3 pair 22 AWG Shielded Paired cable PVC	17.00

Shielded Paired Control Cable

Part Number	Description	Net Weight (Kg/km)
NC7-13203241	3 pair 24 AWG Shielded Paired cable PVC	12.30
NC7-13204141	4 pair 14 AWG Shielded Paired cable PVC	88.70
NC7-13204161	4 pair 16 AWG Shielded Paired cable PVC	62.50
NC7-13204181	4 pair 18 AWG Shielded Paired cable PVC	37.60
NC7-13204201	4 pair 20 AWG Shielded Paired cable PVC	28.00
NC7-13204221	4 pair 22 AWG Shielded Paired cable PVC	20.90
NC7-13204241	4 pair 24 AWG Shielded Paired cable PVC	15.30
NC7-13201142	1 pair 14 AWG Shielded Paired cable LSZH	29.40
NC7-13201162	1 pair 16 AWG Shielded Paired cable LSZH	21.70
NC7-13201182	1 pair 18 AWG Shielded Paired cable LSZH	13.90
NC7-13201202	1 pair 20 AWG Shielded Paired cable LSZH	10.20
NC7-13201222	1 pair 22 AWG Shielded Paired cable LSZH	7.80
NC7-13201242	1 pair 24 AWG Shielded Paired cable LSZH	6.10
NC7-13202142	2 pair 14 AWG Shielded Paired cable LSZH	47.90
NC7-13202162	2 pair 16 AWG Shielded Paired cable LSZH	34.40
NC7-13202182	2 pair 18 AWG Shielded Paired cable LSZH	21.30
NC7-13202202	2 pair 20 AWG Shielded Paired cable LSZH	15.80
NC7-13202222	2 pair 22 AWG Shielded Paired cable LSZH	11.90
NC7-13202242	2 pair 24 AWG Shielded Paired cable LSZH	8.80
NC7-13203142	3 pair 14 AWG Shielded Paired cable LSZH	70.90
NC7-13203162	3 pair 16 AWG Shielded Paired cable LSZH	50.20
NC7-13203182	3 pair 18 AWG Shielded Paired cable LSZH	30.70
NC7-13203202	3 pair 20 AWG Shielded Paired cable LSZH	22.90
NC7-13203222	3 pair 22 AWG Shielded Paired cable LSZH	17.20
NC7-13203242	3 pair 24 AWG Shielded Paired cable LSZH	12.50
NC7-13204142	4 pair 14 AWG Shielded Paired cable LSZH	89.30
NC7-13204162	4 pair 16 AWG Shielded Paired cable LSZH	63.00
NC7-13204182	4 pair 18 AWG Shielded Paired cable LSZH	37.90
NC7-13204202	4 pair 20 AWG Shielded Paired cable LSZH	28.20
NC7-13204222	4 pair 22 AWG Shielded Paired cable LSZH	21.10
NC7-13204242	4 pair 24 AWG Shielded Paired cable LSZH	15.40