Shielded Data Cable

APPLICATION

Transmission, control and data cable is suitable for security, audio, BMS, fire alarm systems. It can be used in dry and humid rooms.
Two cores are twisted to form a pair and aluminium foil screen with 100% coverage to reduce electromagnetic interference from external sources.

Construction	
Conductor	Flexible class 5 stranded bare copper conductor
Insulation	Polyethylene (PE) compound, twisted in pair
Overall screen	Aluminium foil screen
Outer sheath	PVC/LSZH. Color: Grey/Orange

Technical Data	
Working voltage	300/500V
Test voltage	1500V
Rated temperature	-20°C to +70°C
Conductor resistance (max) @20°C (Ω/km)	0.5 mm^2: 39; 0.75 mm^2: 26; 1.0 mm^2: 19.5; 1.5 mm^2: 13.3; 2.0 mm^2: 10.6; 2.5 mm^2: 8.1
Insulation resistance	> 2 GΩ x km
Impedance	120 Ω
Recommended current (max) @25°C (Amps)	0.5 mm^2: 3.2; 0.75 mm^2: 6.3; 1.0 mm^2: 10.5; 1.5 mm^2: 14.5; 2.0 mm^2: 17.5; 2.5 mm^2: 20.8
Smoke density	IEC 61034-2 (LSZH sheath)
Halogen free	IEC 60754-1 (LSZH sheath)
Flame retardant	UL 1685, IEC
Standard & Approval	RoHS, SIRIM
Minimum bending radius	8 x OD (static)

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Part No.		Dimension n x mm²	Cable OD mm	Copper index kg/km	Weight kg/km
PVC jacket	LSZH jacket				
522 1250	871 1250	1PR x 0.5	4.7 ± 1.0	13	23
522 1275	871 1275	1PR x 0.75	5.1 ± 1.0	18	31
522 1210	871 1210	1PR x 1.0	5.7 ± 1.0	24	39
522 1215	8711215	1PR x 1.5	6.7 ± 1.0	33	59
522 1220	871 1220	1PR x 2.0	7.6 ± 1.0	42	74
522 1225	871 1225	1PR x 2.5	8.2 ± 1.0	52	86
522 2250	871 2250	2PR x 0.5	7.6 ± 1.0	22	37
522 2275	871 2275	2PR x 0.75	8.5 ± 1.0	31	50
522 2210	871 2210	2PR x 1.0	9.2 ± 1.0	43	67
522 2215	871 2215	2PR x 1.5	11.1 ± 1.0	62	99
522 2220	871 2220	2PR x 2.0	12.6 ± 1.0	79	135
522 2225	871 2225	2PR x 2.5	13.5 ± 1.0	100	154
522 3250	871 3250	3PR x 0.5	8.3 ± 1.0	32	52
522 3275	871 3275	3PR x 0.75	9.3 ± 1.0	44	71
522 3210	871 3210	3PR x 1.0	10.1 ± 1.0	60	94
522 3215	871 3215	3PR x 1.5	12.0 ± 1.0	85	138
522 3220	871 3220	3PR x 2.0	13.7 ± 1.0	122	172
522 3225	871 3225	3PR x 2.5	14.7 ± 1.0	141	215
522 4250	871 4250	4PR x 0.5	9.5 ± 1.0	40	63
522 4275	871 4275	4PR x 0.75	10.5 ± 1.0	59	92
522 4210	871 4210	4PR x 1.0	11.1 ± 1.0	81	123
522 4215	871 4215	4PR x 1.5	13.7 ± 1.0	120	182
522 4220	871 4220	4PR x 2.0	15.6 ± 1.0	157	238
522 12125	871 12125	1PR x 1.25	5.9 ± 1.0	19	41