

## 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 tinned copper conductor intensifies anti-oxidative and anti-corrosive properties
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) (Ω/km)	0.5 mm <sup>2</sup> : 40.1; 0.75 mm <sup>2</sup> : 26.7; 1.0 mm <sup>2</sup> : 20; 1.5 mm <sup>2</sup> : 13.7; 2.0 mm <sup>2</sup> : 10.95; 2.5 mm <sup>2</sup> : 8.21
Insulation resistance	> 2 GΩ x km
Impedance	120 Ω
Max recommended current @ 25°C (Amps)	0.5 mm <sup>2</sup> : 2.9; 0.75 mm <sup>2</sup> : 5.8; 1.0 mm <sup>2</sup> : 9.7; 1.5 mm <sup>2</sup> : 12.9; 2.0 mm <sup>2</sup> : 16.1; 2.5 mm <sup>2</sup> : 19.1
Smoke density	IEC 61034-2 (LSZH sheath)
Halogen free	IEC 60754-1 (LSZH sheath)
Flame retardant	IEC 60332-1
Standard & Approval	RoHS, SIRIM
Minimum bending radius	8 x OD (static)

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Part No.		Dimension n x mm <sup>2</sup>	Cable OD mm	Insulation thickness mm	Jacket thickness mm
PVC jacket	LSZH jacket				
522 1250	871 1250	1PR x 0.5	4.9	0.40	0.70
522 1275	871 1275	1PR x 0.75	5.3	0.40	0.70
522 1210	871 1210	1PR x 1.0	5.7	0.40	0.70
522 1215	8711215	1PR x 1.5	7.1	0.52	0.90
522 1220	871 1220	1PR x 2.0	7.9	0.60	0.90
522 1225	871 1225	1PR x 2.5	8.6	0.62	1.00
522 2250	871 2250	2PR x 0.5	7.6	0.40	0.80
522 2275	871 2275	2PR x 0.75	8.5	0.40	0.90
522 2210	871 2210	2PR x 1.0	9.2	0.40	0.95
522 2215	871 2215	2PR x 1.5	11.1	0.52	1.00
522 2220	871 2220	2PR x 2.0	12.6	0.60	1.10
522 2225	871 2225	2PR x 2.5	13.5	0.62	1.15
522 3250	871 3250	3PR x 0.5	8.3	0.40	0.90
522 3275	871 3275	3PR x 0.75	9.3	0.40	1.00
522 3210	871 3210	3PR x 1.0	10.1	0.40	1.05
522 3215	871 3215	3PR x 1.5	12.0	0.52	1.10
522 3220	871 3220	3PR x 2.0	13.7	0.60	1.20
522 3225	871 3225	3PR x 2.5	14.7	0.62	1.25
522 4250	871 4250	4PR x 0.5	9.5	0.40	1.00
522 4275	871 4275	4PR x 0.75	10.5	0.40	1.10
522 4210	871 4210	4PR x 1.0	11.1	0.40	1.10
522 4215	871 4215	4PR x 1.5	13.7	0.52	1.20
522 4220	871 4220	4PR x 2.0	15.6	0.60	1.30
522 4225	871 4225	4PR x 2.5	16.7	0.62	1.35