



## Double Shielded Data Cable



### APPLICATION

Transmission, control and data cable is suitable for security, audio, BMS, RS 232, RS 485, 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 and tinned copper braid
Drain wire	Tinned copper drain wire
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)	18 AWG: 23.6; 20 AWG: 34.4; 22 AWG: 55.4; 24 AWG: 85.7
Insulation resistance	> 2 GΩ x km
Impedance	120 Ω
Max recommended current @ 25°C (Amps)	18 AWG: 7.2; 20 AWG: 4.9; 22 AWG: 2.9; 24 AWG: 2.1
Smoke density	IEC 61034-2 (LSZH sheath)
Halogen free	IEC 60754-1 (LSZH sheath)
Flame retardant	IEC 60332-1
Standard & Approval	RoHS, SIRIM, UL
UL standard	UL2092, UL2919...
Minimum bending radius	8 x OD (static)

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Part No.		Dimension n x AWG	Cable OD mm	Insulation thickness mm	Jacket thickness mm
PVC jacket	LSZH jacket				
177 1218DS	855 1218DS	1PR x 18	8.0	0.48	0.75
177 1220DS	855 1220DS	1PR x 20	7.4	0.41	0.71
177 1222DS	855 1222DS	1PR x 22	6.7	0.41	0.64
177 1224DS	855 1224DS	1PR x 24	5.9	0.39	0.61
177 2218DS	855 2218DS	2PR x 18	11.1	0.48	0.79
177 2220DS	855 2220DS	2PR x 20	10.2	0.41	0.75
177 2222DS	855 2222DS	2PR x 22	9.8	0.41	0.70
177 2224DS	855 2224DS	2PR x 24	8.8	0.39	0.63