



Shielded Twisted Control Cable

UL 2092, 2095, 2464...

Product Code: FRT-PeOP

CU/PE/OSCR/PVC



■ APPLICATION

Designed for use in data transmission RS 422, RS 485, audio, fire alarm, BMS cable with minimum noise immunity in the surrounding (dry & damp environments). Aluminum foil screening with 100% coverage offers optimum protection against external electrical interferences at medium and high frequencies.



Construction	
Conductor	Flexible Class 5 Stranded Tinned Copper Conductor
Insulation	Polyethylene (PE) Compound twisted in pair
Screening	Aluminium foil Screening
Drain Wire	Tinned Copper Drain Wire
Outer sheath	Polyvinyl Chloride (PVC) Compound Color: Grey, RAL 7037

Technical Data	
Working Voltage	300/500V
Test Voltage	1500V
Rated Temperature	60°C
Insulation Resistance	10MΩ-km (min) @ 20°C DC 500V (EIA-364-21)
Dielectric Strength	AC 500V/1 minute no breakdown (EIA-364-20)
Flexibility Test	No cracking
Flame Test	Pass horizontal flame
Dielectric test	1.5 KV
Flame Retardant	In accordance to IEC 60332-1
Standard & Approval	ROHS, SIRIM
UL Standard	In accordance to UL 2092, UL 2095, UL 2464...
Minimum bending radius	8 x OD (static)

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Part No.	Conductor cross-section AWG	Approx. Cable OD mm	Insulation Thickness mm	Jacket Thickness mm	Conductor Resistance @ 20oC (max) Ω/km
177 1214	1x2x14 AWG	9.8	0.85	0.90	10.1
177 1216	1x2x16 AWG	7.9	0.81	0.81	14.9
177 1218	1x2x18 AWG	5.6	0.48	0.75	23.6
177 1220	1x2x20 AWG	5.1	0.41	0.71	37.4
177 1222	1x2x22 AWG	4.3	0.41	0.64	60.7
177 1224	1x2x24 AWG	4.1	0.39	0.61	78.6
177 2214	2x2x14 AWG	12.8	0.85	0.90	10.1
177 2216	2x2x16 AWG	10.5	0.81	0.81	14.9
177 2218	2x2x18 AWG	7.5	0.48	0.75	23.6
177 2220	2x2x20 AWG	6.6	0.41	0.71	37.4
177 2222	2x2x22 AWG	6.0	0.41	0.70	60.7
177 2224	2x2x24 AWG	5.7	0.39	0.61	78.6
177 3214	3x2x14 AWG	15.3	0.85	0.90	10.1
177 3216	3x2x16 AWG	12.6	0.81	0.81	14.9
177 3218	3x2x18 AWG	9.5	0.48	0.75	23.6
177 3220	3x2x20 AWG	7.9	0.41	0.71	37.4
177 3222	3x2x22 AWG	7.4	0.41	0.70	60.7
177 3224	3x2x24 AWG	7.0	0.39	0.61	78.6
177 4214	4x2x14 AWG	18.2	0.85	0.90	10.1
177 4216	4x2x16 AWG	15.5	0.81	0.81	14.9
177 4218	4x2x18 AWG	12.5	0.48	0.75	23.6
177 4220	4x2x20 AWG	9.9	0.41	0.71	37.4
177 4222	4x2x22 AWG	9.0	0.41	0.70	60.7
177 4224	4x2x24 AWG	8.5	0.39	0.61	78.6