

## 300 Volt • Multipair • Foil Shield - Individual and Overall

**VOLTAGE**  
300V

**TEMPERATURE**  
105°C

**TYPE**  
PLTC/ITC/CL3

**CONSTRUCTION:**

**Conductor:** Stranded bare copper  
ASTM B-8

**Insulation:** Color coded PVC

**Individual Shield:** Aluminum/polyester foil

**Drain Wire:** Stranded tinned copper  
One (1) gauge size  
smaller than conductor.


**Overall Shield:** Aluminum/polyester foil

**Drain Wire:** Stranded tinned copper  
One (1) gauge size  
smaller than conductor.

**Rip Cord:** Nylon

**Jacket:** Black PVC

**SPECIFICATIONS:**

 UL Listed Subject 13, 2250  
NEC Article 725  
NEC Article 727  
NEC  
Type PLTC/ITC/CL3  
IEEE 383 70,000 BTU  
UL 1581  
ICEA T-29-520 210,000 BTU  
ICEA S-61-402  
CEC/CSA - (FT-4)  
Sunlight Resistant



**For:** Process instrumentation and control. Analog and digital signalling. Class 1, Division 2 locations.

**Advantages:** Individual shielding and twisting of pairs plus overall shield provides superior protection against crosstalk, electrostatic and electromagnetic interference.

**Color Code:** Black, White.  
Alpha/numeric print on white conductor.

PART NO.	NO. OF PAIRS	NOM. JKT. THICKNESS INCHES	NOM. JKT. THICKNESS MM	NOM O.D. INCHES	NOM O.D. > MM	APPROX. WT/M' LBS.
<b>#20 AWG (7/28) INSULATION .015" (.381 MM) NOMINAL</b>						
M9740020	2	0.045	1.140	0.370	9.40	70
M9740040	4	0.050	1.270	0.435	11.05	104
M9740060	6	0.050	1.270	0.490	12.45	135
M9740080	8	0.050	1.270	0.545	13.84	165
M9740120	12	0.060	1.520	0.670	17.02	245
M9740160	16	0.060	1.520	0.740	18.80	305
M9740240	24	0.070	1.780	0.900	22.86	445
M9740360	36	0.070	1.780	1.050	26.67	615
M9740500	50	0.070	1.780	1.225	31.12	805
<b>#18 AWG (7/26) INSULATION .015" (.381 MM) NOMINAL</b>						
M9748020	2	0.050	1.270	0.450	11.43	80
M9748040	4	0.050	1.270	0.470	11.94	130
M9748060	6	0.050	1.270	0.545	13.84	195
M9748080	8	0.050	1.270	0.615	15.62	230
M9748120	12	0.060	1.520	0.740	18.80	330
M9748160	16	0.060	1.520	0.815	20.70	420
M9748240	24	0.070	1.780	1.025	26.04	620
M9748360	36	0.070	1.780	1.135	28.83	850
M9748500	50	0.070	1.780	1.390	35.31	1170
<b>#16 AWG (7/0192) INSULATION .015" (.381 MM) NOMINAL</b>						
M9746020	2	0.050	1.270	0.480	12.19	105
M9746040	4	0.050	1.270	0.525	13.34	175
M9746060	6	0.050	1.270	0.600	15.24	255
M9746080	8	0.050	1.270	0.680	17.27	320
M9746120	12	0.060	1.520	0.855	21.72	450
M9746160	16	0.060	1.520	0.945	24.00	595
M9746240	24	0.070	1.780	1.160	29.46	860
M9746360	36	0.070	1.780	1.345	34.16	1230
M9746500	50	0.070	1.780	1.540	39.12	1625