

600 Volt • Multipair • Foil Shield - Individual and Overall

VOLTAGE
600V

TEMPERATURE
90°C

TYPE
TC

CONSTRUCTION:

Conductor: Stranded bare copper
ASTM B-8

Insulation: Color coded PVC/Nylon
#18/#16 AWG (TFN)
#14 AWG (THHN/THWN)

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:

 NEC IEEE
UL Listed Subject 83, 1277
NEC Article 310, 318, 340
NEC Article 501
Class 1, Division 2
IEEE 383 70,000 BTU
UL 1581
ICEA T-29-520 210,000 BTU
ICEA S-61-402
Sunlight Resistant
Direct Burial



DESCRIPTION:

For: Process instrumentation control and power.
Analog and digital signalling.

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

Color: Black and white.
Code: 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.
#18 AWG (7/26) INSULATION PVC .015" (.381 MM) NOMINAL / NYLON .005" (.127 MM) NOMINAL						
M8748020	2	0.053	1.350	0.380	9.65	87
M8748040	4	0.053	1.350	0.500	12.70	140
M8748060	6	0.066	1.680	0.622	15.80	220
M8748080	8	0.066	1.680	0.660	16.76	248
M8748120	12	0.066	1.680	0.790	20.07	360
M8748160	16	0.089	2.260	0.920	23.37	454
M8748200	20	0.089	2.260	1.068	27.13	560
M8748240	24	0.089	2.260	1.115	28.32	670
M8748360	36	0.089	2.260	1.320	33.53	950
M8748500	50	0.089	2.260	1.530	38.86	1264
#16 AWG (7/0192) INSULATION PVC .015" (.381 MM) NOMINAL / NYLON .005" (.127 MM) NOMINAL						
M8746020	2	0.053	1.350	0.430	10.92	114
M8746040	4	0.066	1.680	0.580	14.73	189
M8746060	6	0.066	1.680	0.680	17.27	275
M8746080	8	0.066	1.680	0.740	18.80	325
M8746120	12	0.089	2.260	0.880	22.35	486
M8746160	16	0.089	2.260	1.020	26.16	643
M8746200	20	0.089	2.260	1.125	28.58	785
M8746240	24	0.089	2.260	1.245	31.62	930
M8746360	36	0.089	2.260	1.425	36.20	1328
M8746500	50	0.089	2.260	1.715	43.56	1755
#14 AWG (7/0242) INSULATION PVC .015" (.381 MM) NOMINAL / NYLON .005" (.127 MM) NOMINAL						
M8744020	2	0.053	1.350	0.560	14.22	191
M8744040	4	0.066	1.680	0.650	16.51	306
M8744060	6	0.066	1.680	0.730	18.54	370
M8744080	8	0.089	2.260	0.880	22.35	572

M8744120	12	0.089	2.260	1.065	27.05	864
M8744160	16	0.089	2.260	1.190	30.23	1088
M8744200	20	0.089	2.260	1.320	33.53	1271
M8744240	24	0.089	2.260	1.500	38.10	1513
M8744360	36	0.089	2.260	1.680	42.67	2146
M8744500	50	0.089	2.260	2.030	51.56	3112