

## 600 Volt • Multipair • Foil Shield - 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)  
**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:** Overall shield plus twisting of pairs provides superior protection against 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.
<b>#18 AWG (7/26) INSULATION PVC .015" (.381 MM) NOMINAL / NYLON .005" (.127 MM) NOMINAL</b>						
M8708020	2	0.053	1.350	0.420	10.67	95
M8708040	4	0.053	1.350	0.485	12.32	118
M8708060	6	0.066	1.680	0.580	14.73	170
M8708080	8	0.066	1.680	0.600	15.24	205
M8708120	12	0.066	1.680	0.725	18.42	290
M8708160	16	0.066	1.680	0.800	20.32	363
M8708240	24	0.089	2.260	1.028	26.11	540
M8708360	36	0.089	2.260	1.160	29.46	738
M8708500	50	0.089	2.260	1.450	36.83	984
<b>#16 AWG (7/.0192) INSULATION PVC .015" (.381 MM) NOMINAL / NYLON .005" (.127 MM) NOMINAL</b>						
M8706020	2	0.053	1.350	0.455	11.56	95
M8706040	4	0.066	1.680	0.560	14.22	155
M8706060	6	0.066	1.680	0.640	16.26	235
M8706080	8	0.066	1.680	0.680	17.27	266
M8706120	12	0.066	1.680	0.810	20.57	393
M8706160	16	0.089	2.260	0.935	23.75	500
M8706240	24	0.089	2.260	1.140	28.96	731
M8706360	36	0.089	2.260	1.300	33.02	1030
M8706500	50	0.089	2.260	1.590	40.39	1420
<b>#14 AWG (7/.0242) INSULATION PVC .015" (.381 MM) NOMINAL / NYLON .005" (.127 MM) NOMINAL</b>						
M8704020	2	0.066	1.680	0.560	14.22	120
M8704040	4	0.066	1.680	0.600	15.24	255
M8704060	6	0.066	1.680	0.750	19.05	360
M8704080	8	0.066	1.680	0.770	19.56	430
M8704120	12	0.089	2.260	0.980	24.89	660
M8704160	16	0.089	2.260	1.080	27.43	833
M8704240	24	0.089	2.260	1.320	33.53	1248
M8704360	36	0.089	2.260	1.520	38.61	1670
M8704500	50	0.110	2.790	1.860	47.24	2420