

Specification 7783A TECHDATA 8MM TRIAX CAMERA CABLE

Line	Extended Specification Description			
1	08-05-02 REV. 4			
2		BELDEN 7783A		
3	.			
4	I.	DESCRIPTION:		
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6		TRIAXIAL CAMERA CABLE: EUROPEAN TRIAX 8MM PVC		
7		VIDEO BRILLIANCE BY BELDEN 7783A CAMERA CABLE TRIAX 8		
8	.			
9	II.	ELECTRICAL CHARACTERISTICS:		
10		-----		
11		IMPEDANCE:	75 +/- 3.0OHMS	
12		NOM. INDUCTANCE:	.095 MICRO-H/FT	
13		NOM. CAPACITANCE CONDUCTOR		
14		TO SHIELD:	16.9 PF/FT	
15		NOM. VELOCITY OF PROPAGATION	80 %	
16		NOM. DELAY:	1.56 NS/FT	
17		NOM. CONDUCTOR DC RESISTANCE		
18		@ 20 DEG C:	9.33 OHMS/1000 FT.	
19		NOM. SHIELD DC RESISTANCE		
20		@ 20 DEG. C:	INNER	3.28 OHMS/1000 FT.
21			OUTER	2.76 OHMS/1000 FT.
22		STRUCTURAL RETURN LOSS:	21 DB MIN, 5-850 MHZ	
23		MAX. OPERATING VOLTAGE:	600 VRMS	
24		NOM ATTENUATION:		
25		-MHZ-	-DB/100FT-	-MHZ-
26		1	.19	180
27		3.58	.37	270
28		5	.43	360
29		7	.52	540
30		10	.62	720
31		67.5	1.8	750
32		71.5	1.9	1000
33		88.5	2.1	1500
34		100	2.2	2000
35		135	2.6	2250
36		143	2.7	3000
37	.			
38	III.	PHYSICAL CHARACTERISTICS:		
39		-----		
40		TEMPERATURE RATING:	- 50 TO + 80 DEG. C	
41		MIN. BENDING RADIUS:	3.5 "	
42		MAX. PULLING TENSION:	112 LBS.	
43		NOM. WEIGHT/1000 FT:	54 LBS.	
44		CONDUCTOR MATERIAL & DIA:	20AWG(19X#32) SILVER	
45			PLATED CU, .039" NOM.	
46		INSULATION MATERIAL & DIA:	FOAM POLYETHYLENE,	
47			.178" NOM.	
48		INNER SHIELD TYPE & % COVERAGE:	SILVER PLATED COPPER	
49			BRAID, 90%;.200" NOM.	
50		INNER JACKET MATERIAL & DIA:	PE	
51			.260" NOM.	
52		OUTER SHIELD TYPE & % COVERAGE:	BARE COPPER BRAID 80%	
53			.282" NOM.	
54		OUTER JACKET MATERIAL & DIA:	BELFLEX* PVC (RED)	
55			.331" NOM. (8.4 MM)	
56		APPLICABLE SPECIFICATIONS:	N/A	
57		FLAME RESISTANCE:	N/A	
58	.			

59 USE: SUITABLE FOR INDOOR AND OUTDOOR APPLICATIONS
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61 * REGISTERED TRADEMARK OF BELDEN WIRE & CABLE COMPANY