

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			
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9	II. ELECTRICAL CHARACTERISTICS:			
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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-	-DB/100FT-	
26	1 .19	180	3.1	
27	3.58 .37	270	3.9	
28	5 .43	360	4.5	
29	7 .52	540	5.7	
30	10 .62	720	6.7	
31	67.5 1.8	750	6.8	
32	71.5 1.9	1000	8.0	
33	88.5 2.1	1500	10.0	
34	100 2.2	2000	11.7	
35	135 2.6	2250	12.5	
36	143 2.7	3000	14.7	
37	.			
38	III. PHYSICAL CHARACTERISTICS:			
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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