



08-01-12 REV. 5

YR52242

I. DESCRIPTION

24 AWG (7X32) TINNED COPPER - 19 INDIVIDUALLY SHIELDED PAIRS AND AN ADDITIONAL MYLAR TAPE OVER EACH PAIR, EACH WITH 24 AWG(7X32) TINNED COPPER DRAIN, OVERALL FOIL SHIELD WITH 24 AWG STRANDED TINNED COPPER DRAIN WIRE + 85% TINNED COPPER BRAID, OVERALL CHROME PVC JACKET.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE:	300 VRMS
MAX. CONTINUOUS CURRENT PER CONDUCTOR @ 25 DEG. C:	1.9 A
NOM. CAPACITANCE BETWEEN CONDUCTORS @ 1 KHZ:	12.5 PF/FT.
NOM. CAPACITANCE CONDUCTOR TO SHIELD @ 1 KHZ:*	23.2 PF/FT.
NOM. IMPEDANCE:	100 OHMS
NOM. INDUCTANCE:	.23 MICRO-H/FT.
NOM. CONDUCTOR DC RESISTANCE @ 20 DEG. C:	24 OHMS/1000 FT.
NOM. PAIR SHIELD DC RESISTANCE @ 20 DEG. C:	15 OHMS/1000 FT.
NOM. OVERALL SHIELD DC RESISTANCE @ 20 DEG. C:	1.0 OHMS/1000 FT.

*ONE CONDUCTOR TO OTHER CONDUCTOR AND SHIELD

NOMINAL ATTENUATION			
FREQ	ATTN	FREQ	ATTN
384000	0.74	3072000	1.35
705600	0.87	4096000	1.57
768000	0.88	5644800	1.78
1024000	0.94	6144000	1.84
1411200	1.01	8192000	2.13
1536000	1.03	11289600	2.45
2048000	1.13	12288000	2.57
2822400	1.29	24576000	3.57

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING:	-20 TO +80 DEG.C
INSULATION MATERIAL:	DATALENE
JACKET MATERIAL:	PVC (CHROME)
TYPE SHIELD AND % COVERAGE:	POLYESTER/ALUM; 100% MYLAR SEPERATOR (PAIRS)
TWISTED PAIR LAY LENGTH:	1.75" (6.85 TWISTS/FT.)
MAX. PULLING TENSION:	325 LBS.
MIN. BEND RADIUS:	6.7"
NOM. O.D.:	.668"
NOM. WEIGHT/1000 FT.:	240 LBS.
APPLICABLE SPECIFICATIONS:	UL TYPE CM OR AWM 2493 CEC C(UL) CM
FLAME RESISTANCE:	UL 1581 VERTICAL TRAY

IV. COLOR CODE:

PR #	COLOR COMBINATION	PR#	COLOR COMBINATION
1	BLACK PAIRED W/RED	2	BLACK PAIRED W/WHITE
3	BLACK PAIRED W/GREEN	4	BLACK PAIRED W/BLUE
5	BLACK PAIRED W/YELLOW	6	BLACK PAIRED W/BROWN
7	BLACK PAIRED W/ORANGE	8	RED PAIRED W/WHITE
9	RED PAIRED W/GREEN	10	RED PAIRED W/BLUE
11	RED PAIRED W/YELLOW	12	RED PAIRED W/BROWN
13	RED PAIRED W/ORANGE	14	GREEN PAIRED W/WHITE
15	GREEN PAIRED W/BLUE	16	GREEN PAIRED W/YELLOW
17	GREEN PAIRED W/BROWN	18	GREEN PAIRED W/ORANGE
19	WHITE PAIRED W/BLUE		

NOTE: THIS IS A CONTROLLED DOCUMENT. ALL REVISIONS MUST BE APPROVED BY CUSTOMER PRIOR TO ISSUANCE. ALL REVISIONS ARE TO BE PERMANENTLY RETAINED.