

1) CONSTRUCTION:

CONDUCTOR:	24 AWG SOLID TINNED COPPER	NOM. DIA.	.0201"
INSULATION:	TWO LAYER COMPOSITE POLYOLEFIN, .023" WALL THICKNESS		.066"
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS WITH FILLERS		
SHIELD:	ALUMINUM POLYESTER FOIL SHIELD (FOIL OUT) 100% COVERAGE PER PAIR. 24 AWG SOLID TINNED COPPER DRAIN EACH PAIR.		.138"
ISOLATOR:	EACH PAIR SHALL BE ELECTRICALLY ISOLATED FROM EACH OTHER WITH A POLYESTER TAPE WRAP		.141"
CABLE:	(2) SHIELDED PAIRS PULLED IN STRAIGHT		.141" X .282"
JACKET:	POLYVINYLCHLORIDE, BEIGE, .022" NOM. WALL THICKNESS		.185" X .326" NOM

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX.	75°C
TEMPERATURE RATING, MIN.	-20°C
WT./M', NOM., NET.	37.44 LBS.

3) ELECTRICAL CHARACTERISTICS:

CAPACITANCE, MUTUAL, NOM.	15 PF/FT. AT 1 MHZ
DIELECTRIC WITHSTANDING, MIN.	1500V RMS
VOLTAGE RATING, MAX.	300V
NEXT, TYPICAL	GREATER THAN 60 dB; 500 KHZ TO 3.5 MHZ
D.C. RESISTANCE, MAX. PER ASTM B258	27.2 Ω/1000'
IMPEDANCE, CHARACTERISTIC, NOM	120.0 Ω FROM 500 KHZ TO 3.5 MHZ (+/- 10 Ω AT .772 MHZ AND AT 1.544 MHZ)
RETURN LOSS, TYPICAL	GREATER THAN 30 dB; 500 KHZ TO 3.5 MHZ
ATTENUATION:	SEE PAGE 2

4) AGENCY APPROVALS:  
 NEC (UL) TYPE CMR  
 CEC C(UL) TYPE CMR

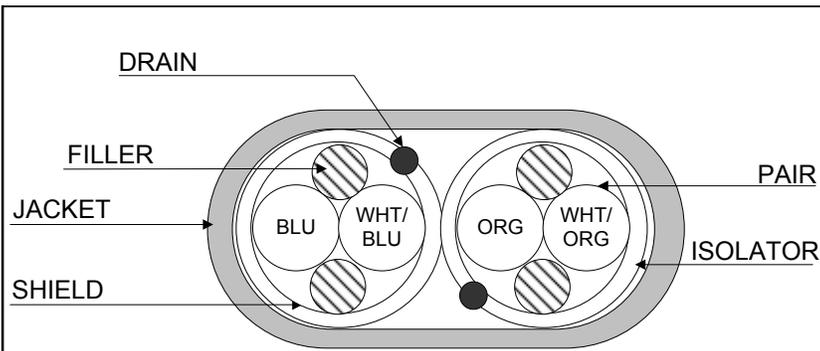
5) APPLICATION:  
 E1 INTERCONNECTIONS. RoHS COMPLIANT MATERIALS.

NOTE: THIS CONSTRUCTION IS UNIQUELY DESIGNED TO FIT MOST POPULAR RJ-45 CONNECTORS WHEN THE OUTER PRIMARY INSULATION IS REMOVED.

6) PRINT:  
 QUABBIN DATAMAX 120 OHM E1 CABLE P/N 9928 -- TYPE CMR C(UL)US 24 AWG SHIELDED 75C -- RoHS --  
**(LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)**

7) COLOR CODE: (LONGITUDINAL STRIPE)  
 1. ORANGE X WHITE/ORANGE  
 2. BLUE X WHITE/BLUE

8) PACKAGING:  
 TO BE PACKAGED AS PER QWC'S STANDARD PACKAGING



Created 04/15/98	DRAWN: BMD 2/6/13	
REV. 09	CHECKED: GBM 02/07/13	

TITLE	E 1 CABLE -- TYPE CMR
QUABBIN P/N	9928
	1 OF 2

CUSTOMER APPROVAL: \_\_\_\_\_ DATE: \_\_\_\_\_

ATTENUATION

FREQUENCY MHz	ATTENUATION dB/1000 FT
0.772	5.5
1.0	6.7
1.544	7.7
3.152	10.9

QUABBIN WIRE & CABLE

Created 04/15/98	DRAWN: BMD 2/6/13	
REV. 09	CHECKED: GBM 02/07/13	
TITLE E 1 CABLE -- TYPE CMR		
QUABBIN P/N	9928	2 OF 2

CUSTOMER APPROVAL:

DATE: