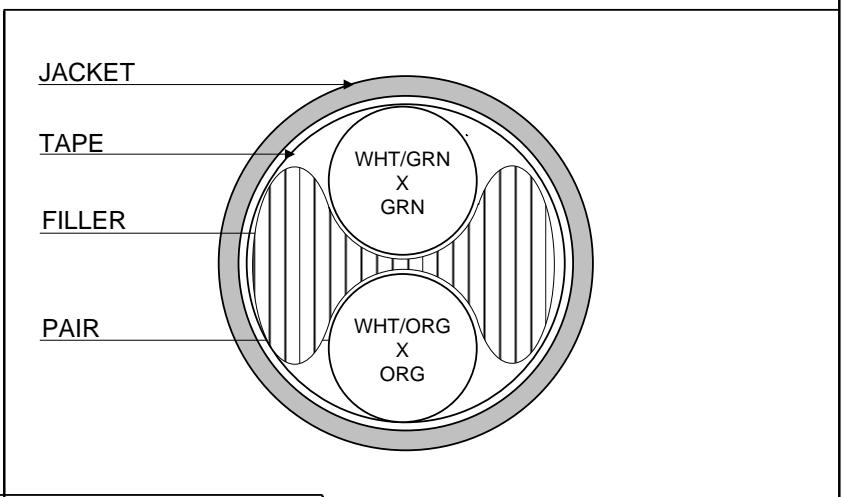


- 1) CONSTRUCTION:
- | | | | |
|-------------|---|------------------------|----------------------------|
| CONDUCTOR: | 24 AWG 7/32 TINNED COPPER | NOM. DIA. | .024" |
| INSULATION: | HIGH DENSITY POLYETHYLENE, .007" NOM. WALL THICKNESS | | .039" MAX |
| PAIRS: | COLOR CODED SINGLES TWISTED INTO PAIRS | | .078" |
| CABLE: | (2) TWISTED PAIRS TWISTED TOGETHER WITH FILLER AND WRAPPED WITH A CLEAR POLYESTER TAPE TO FORM A CABLE CORE | | |
| JACKET: | POLYVINYLCHLORIDE, BLACK, .022" NOM. WALL THICKNESS (PRESSURE) | OVERALL CABLE DIAMETER | .220" ± .010" (BY PI TAPE) |
- 2) PHYSICAL PROPERTIES:
- | | |
|--------------------------|-----------|
| TEMPERATURE RATING, MAX. | 75°C |
| TEMPERATURE RATING, MIN. | -20°C |
| WT./M', NOM., NET. | 18.5 LBS. |
- 3) ELECTRICAL CHARACTERISTICS:
SEE PAGE 2
- 4) AGENCY APPROVALS:
NEC (UL) TYPE CMR
CEC C(UL) TYPE CMR
- 5) APPLICATION:
RoHS COMPLIANT MATERIALS.
- 6) PRINT: (WHITE INK)
QUABBIN DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CORD P/N 5780R -- (UL) C(UL) TYPE CMR 2PR 24 AWG 75C – RoHS -- **(LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)**
- 7) COLOR CODE:
1. WHITE/GREEN X GREEN
2. WHITE/ORANGE X ORANGE
- 8) PUT UPS
AVAILABLE IN STANDARD 1000 FT REELS OR IN LONGER BULK PUTUPS




REVISION 03	DATE:	DRAWN <i>B. Duczynski</i> 2/26/07	
REVISED BY <i>G. Munn</i>	11/26/08	CHECKED <i>J. Ruender</i> 2/28/07	
CHECKED <i>J. Ruender</i>	11/26/08	CHECKED	
CHECKED		CUSTOMER APPROVAL: DATE:	TITLE DATAMAX PATCH CABLE -- 2 PR -- (UL) C(UL) TYPE CMR
			QUABBIN P/N 5780 1 OF 2

3) ELECTRICAL CHARACTERISTICS: (FOR 100m OF CABLE)

CAPACITANCE, MUTUAL	13.5 PF/FT. AT 1 MHZ	
DIELECTRIC WITHSTANDING, MIN	1500V RMS	
VOLTAGE RATING, MAX.	300V	
D.C. RESISTANCE, MAX.	26.0 OHMS	
IMPEDANCE	100 +/- 15 OHMS 1-100 MHZ; 100 +/-20 OHMS 100 TO 350 MHZ	
SRL	23 DB 1-20 MHZ	
	23 - 10 LOG(F/20) 20-100 MHZ	
RETURN LOSS	1 - 10 MHZ	20 + 5 LOG (F) DB MIN
	10 - 20 MHZ	25 DB MIN
	20 - 100 MHZ	25 - 8.6 LOG(F/20) DB MIN
PS NEXT	1-100 MHZ	64 - 15 LOG (F/.772) MIN
NEXT	1-100 MHZ	67 - 15 LOG (F/.772) MIN
PS ELFEXT	1-100 MHZ	63 - 20 LOG(F/.772) MIN
ELFEXT	1-100 MHZ	66 - 20 LOG(F/.772) MIN
DELAY	1-100 MHZ	534 + 36/SQRT(F)
DELAY SKEW	1-100 MHZ	<25NS
TCL	1-100 MHZ	≥ 30-10*LOG (F/100) DB; 40 DB MAX
ELTCTL	1-30 MHZ	≥ 35-20*LOG (F/100) DB
ATTENUATION:	1-100 MHZ	$1.2*(1.967*SQRT(F)+.024*F+.5/SQRT(F))$

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

REVISION 03	DATE:	DRAWN <i>B. Duczyski</i> 2/26/07	
REVISED BY	<i>G. MUMFORD</i> 11/26/08	CHECKED <i>J. Ruenicker</i> 2/28/07	
CHECKED	<i>J. Ruenicker</i> 11/26/08	CHECKED	
CHECKED		CUSTOMER APPROVAL: DATE:	TITLE DATAMAX PATCH CABLE -- 2 PR -- (UL) C(UL) TYPE CMR
			QUABBIN P/N 5780 2 OF 2