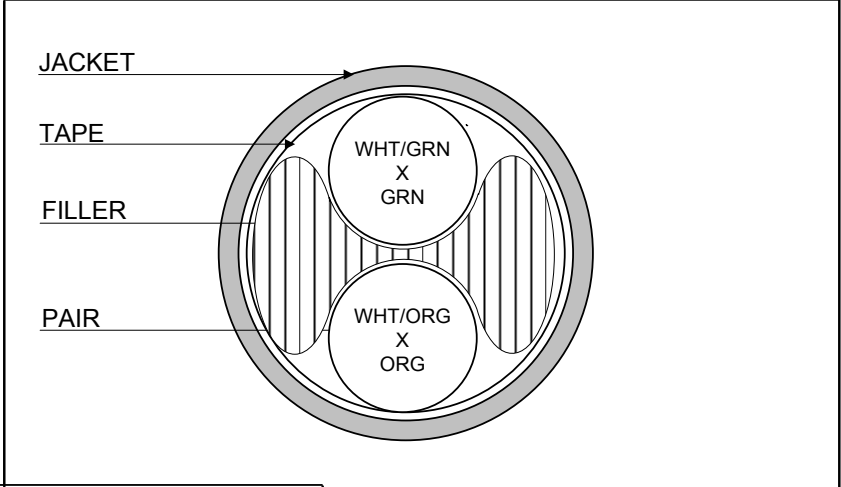


- 1) CONSTRUCTION:
- |             |   |                        |               |
|-------------|---|------------------------|---------------|
| CONDUCTOR:  | 24 AWG 7/32 TINNED COPPER   | NOM. DIA.              | .024"         |
| INSULATION: | HIGH DENSITY POLYETHYLENE, .007" NOM. WALL THICKNESS  |                        | .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, TEAL, .022" NOM. WALL THICKNESS  | OVERALL CABLE DIAMETER | .220" ± .010" |
|             | (PRESSURE)  |                        | (BY PI TAPE)  |
- 2) PHYSICAL PROPERTIES:
- |                               |           |
|-------------------------------|-----------|
| TEMPERATURE RATING, MAX.      | 75°C      |
| TEMPERATURE RATING, MIN.      | -20°C     |
| WT./M', NOM., NET.            | 18.5 LBS. |
| UV RESISTANT JACKET (PENDING) |           |
- 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: (BLACK INK)  
QUABBIN DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CORD P/N 5782R -- (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 04	DATE:	DRAWN <i>B. Duceyuski</i> 2/26/07	
REVISED BY <i>B. Duceyuski</i> 10/27/09	CHECKED <i>J. Kuenruder</i> 2/28/07		
CHECKED <i>J. Kuenruder</i> 10/27/09	CHECKED		
CHECKED	CUSTOMER APPROVAL: DATE:	TITLE DATAMAX PATCH CABLE -- 2 PR -- (UL) C(UL) TYPE CMR	
		QUABBIN P/N 5782	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 $\Omega$	
IMPEDANCE	100 +/- 15 $\Omega$ 1-100 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	$\geq 30-10*\text{LOG}(F/100)$ DB; 40 DB MAX
ELTCTL	1-30 MHZ	$\geq 35-20*\text{LOG}(F/100)$ DB
ATTENUATION:	1-100 MHZ	$1.2*(1.967*\text{SQRT}(F)+.024*F+.05/\text{SQRT}(F))$

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

REVISION 04	DATE:	DRAWN <i>B. Duczyski</i> 2/26/07	
REVISED BY	<i>B. Duczyski</i> 10/27/09	CHECKED <i>J. Ruenicker</i> 2/28/07	
CHECKED	<i>J. Ruenicker</i> 10/27/09	CHECKED	
CHECKED		CUSTOMER APPROVAL: DATE:	TITLE DATAMAX PATCH CABLE -- 2 PR -- (UL) C(UL) TYPE CMR
			QUABBIN P/N 5782 2 OF 2