5750

1) CONSTRUCTION:

		NOM. DIA.
CONDUCTOR:	24 AWG 7/32 STRANDED TINNED COPPER	.024"
INSULATION:	HIGH DENSITY POLYETHYLENE, .007" NOM. WALL THICKNESS	.039" MAX
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS	.078"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER AND WRAPPED WITH A CLEAR POLYESTER TAPE TO FORM A CABLE CORE	.163"
JACKET:	FR-TPE, BLACK, .028" NOM. WALL THICKNESS	
	(PRESSURE) OVERALL CABLE DIAMETER	.227" (+/-.010") BY PI TAPE

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX.	75°C (JACKET 105°C, 60°C OIL)
TEMPERATURE RATING, MIN.	-40°C
WT./M', NOM., NET.	28.7 LBS.
UV RESISTANT JACKET	
FLEX LIFE	1 MILLION CYCLE TEST (10X CABLE O.D., MINIMUM RADIUS) 10 MILLION CYCLE TEST (20X CABLE O.D., MINIMUM RADIUS)

3) ELECTRICAL CHARACTERISTICS:
SEE PAGE 2

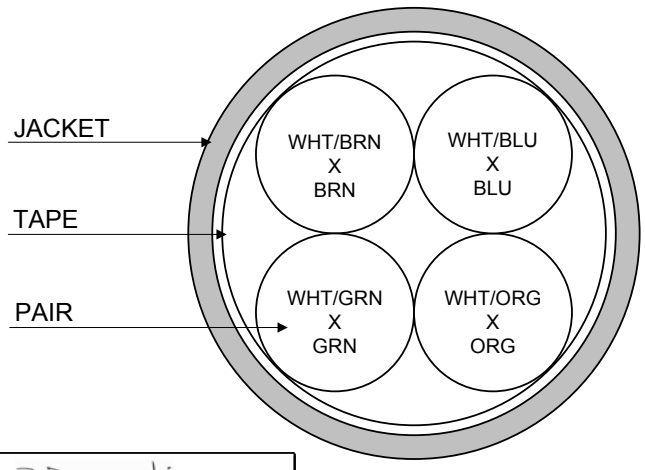
4) AGENCY APPROVALS:
NEC (UL) TYPE CMX OUTDOOR-CM
CEC C(UL) TYPE CMX OUTDOOR-CM

5) APPLICATION:
FOR APPLICATIONS REQUIRING A RUGGED PATCH CORD ASSEMBLY. RoHS COMPLIANT MATERIALS.

6) PRINT: (WHITE INK)
QUABBIN DATAMAX EXTREME HIGH FLEX INDUSTRIAL ETHERNET PATCH CORD P/N 5750R -- (UL) C(UL) TYPE CMX OUTDOOR - CM 4PR 24 AWG 75C -- RoHS -- **(LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)**

7) COLOR CODE:
1. WHITE/BLUE X BLUE
2. WHITE/ORANGE X ORANGE
3. WHITE/GREEN X GREEN
4. WHITE/BROWN X BROWN

8) PUT UPS
AVAILABLE IN STANDARD 1000 FT REELS OR IN LONGER BULK PUTUPS



REVISION 04	DATE:	DRAWN B. Duczynski	8/31/06
REVISED BY	B. Duczynski 9/11/08	CHECKED J. Rivernider	9/1/06
CHECKED	J. Rivernider 9/11/08	CHECKED	
CHECKED		CUSTOMER APPROVAL:	DATE:

QUABBIN® WIRE & CABLE

TITLE DATAMAX EXTREME HIGH FLEX INDUSTRIAL ETHERNET PATCH CABLE – 4PR – TYPE CM

QUABBIN P/N 5750

DOCUMENT #0040 4/10/95

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 Ω/1000'	
IMPEDANCE	100 +/- 15 OHMS 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
INSERTION LOSS	1-100 MHZ	1.2*(1.967 SQRT(F) +.023(F) +.05/SQRT(F)) MAX
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

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL

REVISION 04	DATE:	DRAWN B. Duczynski 8/31/06	
REVISED BY	B. Duczynski 9/11/08	CHECKED J. Rivernider 9/1/06	QUABBIN® WIRE & CABLE
CHECKED	J. Rivernider 9/11/08	CHECKED	TITLE DATAMAX EXTREME HIGH FLEX INDUSTRIAL ETHERNET PATCH CABLE – 4PR – TYPE CM
CHECKED		CUSTOMER APPROVAL: DATE:	QUABBIN P/N 5750
			2 OF 2