

1) CONSTRUCTION:

CONDUCTOR:	28 AWG 7/36 STRANDED TINNED COPPER	NOM. DIA.	.015"
INSULATION:	HIGH DENSITY POLYETHYLENE, .005" NOM. WALL THICKNESS		.0245"
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS		.049"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER TO FORM A CABLE CORE		
JACKET:	LOW SMOKE ZERO HALOGEN, (COLOR, PER CHART 1), .020" NOM. WALL THICKNESS	OVERALL CABLE DIAMETER	.150" NOM .155" MAX

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX.	75°C
TEMPERATURE RATING, MIN.	-20°C
WT./M', NOM., NET.	10.8 LBS.

CHART 1:

QUABBIN P/N	JACKET COLOR
2260	BLACK
2261	RED
2262	ORANGE
2263	YELLOW
2264	GREEN
2265	BLUE
2266	VIOLET
2267	GRAY
2268	WHITE
2269	PINK

3) ELECTRICAL CHARACTERISTICS:

SEE PAGE 2

4) AGENCY APPROVALS:

NEC (UL) TYPE CM-LS
CEC C(UL) TYPE CM-LS

5) APPLICATION:

RoHS COMPLIANT MATERIALS. MEETS TIA 568 C.2 CHANNEL REQUIREMENTS AT 53 METERS. 6.5 METERS OF PATCH CABLE WITH A 90 METERS PERMANENT LINK (96.5 METER CHANNEL) OR 10 METERS OF PATCH CABLE WITH AN 84 METER PERMANENT LINK (94 METER CHANNEL)

6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)

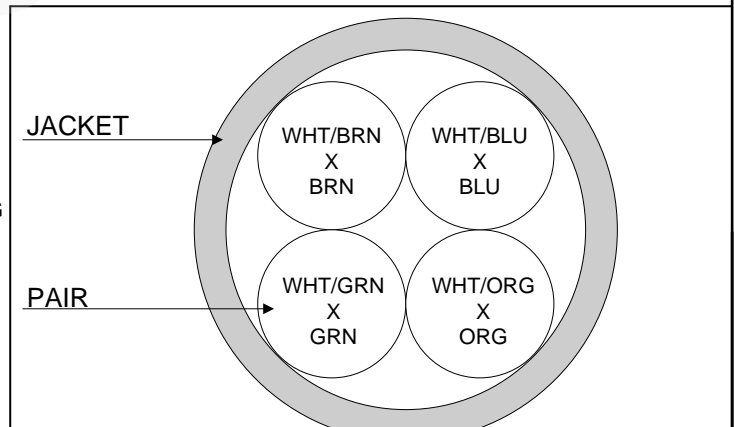
QUABBIN DATAMAX LSZH MINI-6 U/UTP PATCH CORD P/N (QWC P/N PER CHART 1) -- C(UL)US TYPE CM-LS 28 AWG 75C -- RoHS -- (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

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

TO BE PACKAGED AS PER QWC'S STANDARD PACKAGING



Created 05/19/17	DRAWN: BMD 08/14/17	
REV. 02	CHECKED: GBM 08/15/17	
TITLE DATAMAX MINI-6 DUAL RATED LSZH 28 AWG CAT 6 U/UTP PATCH CABLE -- TYPE CM-LS		
DRAWING#	QWC0103	1 of 2


CUSTOMER APPROVAL:

DATE:

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

CAPACITANCE, MUTUAL, NOM.	13.5 PF/FT. AT 1 MHz
DIELECTRIC WITHSTANDING, MIN.	1500V RMS
VOLTAGE RATING, MAX.	300V
D.C. RESISTANCE, NOM.	68.2 Ω /1000'
IMPEDANCE	100 +/- 15 Ω 1-250 MHz
IMPEDANCE, SMOOTHED	100 +/- 10 Ω TYPICAL 5 - 250 MHz
RETURN LOSS	$1 \leq f < 10$ MHz 20 + 5 LOG (f) dB MIN $10 \leq f < 20$ MHz 25 dB MIN $20 \leq f \leq 250$ MHz 25- 8.6 LOG(f/20) dB MIN
PS NEXT	$1 \leq f \leq 250$ MHz 42.3 - 15 LOG(f/100) dB MIN
NEXT	$1 \leq f \leq 250$ MHz 44.3 - 15 LOG(f/100) dB MIN
PSACRF	$1 \leq f \leq 250$ MHz 24.8 - 20 LOG(f/100) dB MIN
ACRF	$1 \leq f \leq 250$ MHz 27.8 - 20 LOG(f/100) dB MIN
INSERTION LOSS	$1 \leq f \leq 250$ MHz 1.87 [1.808 \sqrt{f} + 0.017(f) + 0.2/ \sqrt{f}] dB MAX
DELAY	$1 \leq f \leq 250$ MHz 534 + 36/ \sqrt{f} ns MAX
DELAY SKEW	$1 \leq f \leq 250$ MHz <45ns MAX
TCL	$1 \leq f \leq 250$ MHz 30-10LOG(f/100)
ELTCTL	$1 \leq f \leq 30$ MHz 35-20LOG(f)
VELOCITY OF PROPAGATION	68%

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL, USING 100m LENGTHS.

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TITLE DATAMAX MINI-6 DUAL RATED LSZH 28 AWG CAT 6 U/UTP PATCH CABLE -- TYPE CM-LS		
DRAWING#		QWC0103
		2 of 2

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