

1) CONSTRUCTION:

CONDUCTOR:	26 AWG 7/34 STRANDED TINNED COPPER	NOM. DIA.	.019"
INSULATION:	HIGH DENSITY POLYETHYLENE, .011" NOM. WALL THICKNESS		.0405"
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS		.081"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER		.177"
SHIELD:	AN ALUMINUM POLYESTER ALUMINUM FOIL SHIELD (100% COVERAGE) WITH 7 ENDS OF 34 AWG TINNED COPPER DRAIN WIRE IN CONTACT WITH THE METALIZED SURFACE SHALL BE APPLIED OVER THE CABLE CORE.		.180"
JACKET:	LOW SMOKE ZERO HALOGEN, (COLOR, PER CHART 1), .023" NOM. WALL THICKNESS		
	OVERALL CABLE DIAMETER		.230" NOM. (BY PI TAPE)

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX. 75°C
 TEMPERATURE RATING, MIN. -20°C
 WT./M', NOM., NET. 23.2 LBS.
 CHART 1:

QUABBIN P/N	JACKET COLOR
2025	BLACK
2026	RED
2027	ORANGE
2028	YELLOW
2029	GREEN
2030	BLUE
2031	VIOLET
2032	GRAY
2033	WHITE

3) ELECTRICAL CHARACTERISTICS:
 SEE PAGE 2

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

5) APPLICATION:
 SHIELDED FLEXIBLE PATCH/JUMPER CABLE TO SUPPORT SCREENED 568-C.2 CATEGORY 6 APPLICATIONS.
 RoHS COMPLIANT MATERIALS. PATENT PENDING.

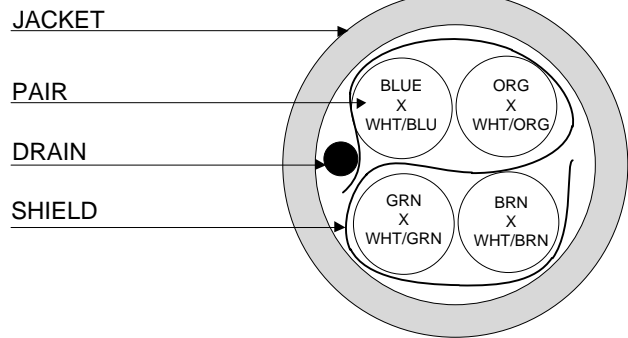
6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)
 QUABBIN DATAMAX LSZH 6 F/UTP PATCH CORD P/N (QWC P/N PER CHART 1) -- PATENT PENDING -- C(UL)US
 TYPE CM-LS 26 AWG 75C -- RoHS -- (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

7) COLOR CODE:

1. WHITE/ORANGE X ORANGE
2. WHITE/BROWN X BROWN
3. WHITE/GREEN X GREEN
4. WHITE/BLUE X BLUE

8) PACKAGING:

TO BE PACKAGED AS PER QWC'S
 STANDARD PACKAGING



CUSTOMER APPROVAL:

DATE:


Created 09/10/18	DRAWN: 11/17/20	
REV. 03	CHECKED: 12/03/20	
TITLE		
DATAMAX LSZH DUAL RATED 26 AWG CAT 6 F/UTP PATCH CABLE – TYPE CM-LS		
DRAWING #	QWC0109	1 of 2

3) ELECTRICAL CHARACTERISTICS:

CAPACITANCE, MUTUAL, NOM.	13.5 PF/FT. AT 1 MHz
DIELECTRIC WITHSTANDING, MIN.	1500V RMS
VOLTAGE RATING, MAX.	300V
D.C. RESISTANCE, MAX.	42.6 Ω/1,000'

NOTE: TESTING FOR THE FOLLOWING IS CONDUCTED OFF THE REEL. (FOR 100m OF CABLE)

IMPEDANCE, NOM.	100 ± 15 Ω	1 - 250 MHz
IMPEDANCE, SMOOTHED	100 ± 10 Ω TYPICAL	5 - 250 MHz
RETURN LOSS	1 ≤ f ≤ 10 MHz	20 + 5 LOG(f) dB MIN
	10 ≤ f < 20 MHz	25 dB MIN
	20 ≤ f ≤ 250 MHz	25 - 8.6 LOG(f/20) dB MIN
PS NEXT	1 ≤ f ≤ 250 MHz	42.3 - 15 LOG (f/100) dB MIN
NEXT	1 ≤ f ≤ 250 MHz	44.3 - 15 LOG (f/100) dB MIN
PS ACRF	1 ≤ f ≤ 250 MHz	24.8 - 20 LOG(f/100) dB MIN
ACRF	1 ≤ f ≤ 250 MHz	27.8 - 20 LOG(f/100) dB MIN
INSERTION LOSS	1 ≤ f ≤ 250 MHz	1.5[1.808 √(f) + 0.017(f) + 0.20/√(f)] dB MAX
DELAY	1 ≤ f ≤ 250 MHz	534 + 36/√(f) ns MAX
DELAY SKEW	1 ≤ f ≤ 250 MHz	<45 ns
TCL	1 ≤ f ≤ 250 MHz	30 - 10 LOG(f/100)
ELTCTL	1 ≤ f ≤ 30 MHz	35 - 20 LOG(f)
VELOCITY OF PROPAGATION	68%	

Created 09/10/18	DRAWN: SGH 11/17/20	
REV. 03	CHECKED: ZRS 12/03/20	
TITLE DATAMAX LSZH DUAL RATED 26 AWG CAT 6 F/UTP PATCH CABLE – TYPE CM-LS		
DRAWING #		QWC0109
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CUSTOMER APPROVAL:

DATE: