QWC0109

1) CONSTRUCTION:

		NOM. DIA.
CONDUCTOR:	26 AWG 7/34 STRANDED TINNED COPPER	.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

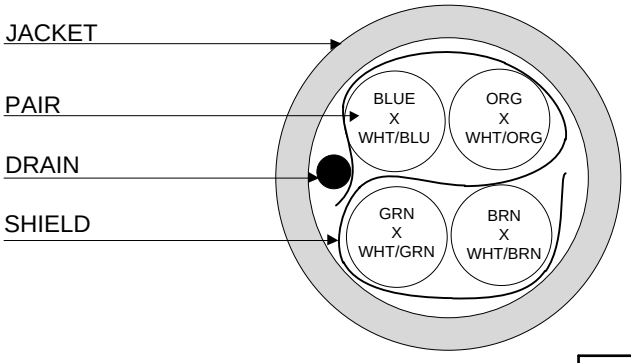
4) AGENCY APPROVALS:
NEC (UL) TYPE CM-LS
CEC C(UL) TYPE CM-LS

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



Created 09/10/18	DRAWN: SGH 11/17/20	QUABBIN® WIRE & CABLE
REV. 03	CHECKED: ZRS 12/03/20	

TITLE
DATAMAX LSZH DUAL RATED 26 AWG CAT 6 F/UTP PATCH CABLE – TYPE CM-LS

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CUSTOMER APPROVAL: **DATE:**

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	$1 \le f \le 10$ MHz	20 + 5 LOG(f) dB MIN
	$10 \le f < 20$ MHz	25 dB MIN
	$20 \le f \le 250$ MHz	25 - 8.6 LOG(f/20) dB MIN
PS NEXT	$1 \le f \le 250$ MHz	42.3 - 15 LOG (f/100) dB MIN
NEXT	$1 \le f \le 250$ MHz	44.3 - 15 LOG (f/100) dB MIN
PS ACRF	$1 \le f \le 250$ MHz	24.8 - 20 LOG(f/100) dB MIN
ACRF	$1 \le f \le 250$ MHz	27.8 - 20 LOG(f/100) dB MIN
INSERTION LOSS	$1 \le f \le 250$ MHz	1.5[1.808 $\sqrt{(f)}$ + 0.017(f) + 0.20/$\sqrt{(f)}$] dB MAX
DELAY	$1 \le f \le 250$ MHz	534 + 36/$\sqrt{(f)}$ ns MAX
DELAY SKEW	$1 \le f \le 250$ MHz	<45 ns
TCL	$1 \le f \le 250$ MHz	30 - 10 LOG(f/100)
ELTCTL	$1 \le f \le 30$ MHz	35 - 20 LOG(f)
VELOCITY OF PROPAGATION	68%	

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DATAMAX LSZH DUAL RATED 26 AWG CAT 6 F/UTP PATCH CABLE – TYPE CM-LS

DRAWING #	QWC0109	2 of 2

CUSTOMER APPROVAL: **DATE:**