

1) CONSTRUCTION:

CONDUCTOR: 26 AWG 7/34 STRANDED TINNED COPPER
 INSULATION: HIGH DENSITY POLYETHYLENE, .011" NOM. WALL THICKNESS
 PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS
 CABLE: (4) TWISTED PAIRS TWISTED TOGETHER
 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.
 JACKET: LOW SMOKE ZERO HALOGEN, (COLOR, PER CHART 1), .023" NOM. WALL THICKNESS

NOM. DIA.
 .019"
 .0405" $\pm$.001"
 .081"
 .177"
 .180"
 OVERALL CABLE DIAMETER
 .235" NOM.
 .240" MAX.
 (BY PI TAPE)

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX.
 TEMPERATURE RATING, MIN.
 WT./M', NOM., NET.
 CHART 1:

75°C
 -20°C
 23.4 LBS.

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-ST1
 CEC C(UL) TYPE CM

5) APPLICATION:

SHIELDED FLEXIBLE PATCH/JUMPER CABLE TO SUPPORT SCREENED 568.2-D CATEGORY 6 APPLICATIONS.
 RoHS COMPLIANT MATERIALS. PATENT NO. US 9,355,759 B2.

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 NO. US 9,355,759 B2 --
 CM C(UL)US CM-ST1 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:

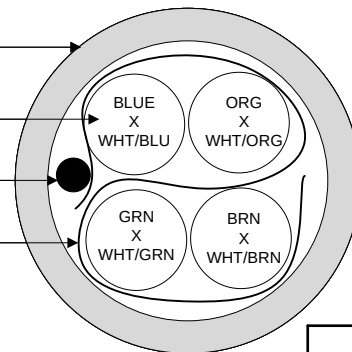
TO BE PACKAGED AS PER QWC'S
 STANDARD PACKAGING

JACKET

PAIR

DRAIN

SHIELD



CUSTOMER APPROVAL:

DATE:

Created 09/10/18 DRAWN: BMD 05/10/23
 REV. 04 ZRS CHECKED: 05/10/23



TITLE

DATAMAX LSZH DUAL RATED 26 AWG CAT 6
 F/UTP PATCH CABLE – TYPE CM-ST1

DRAWING # QWC0109

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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.	14 Ω /100m (42.6 Ω /1,000')

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

IMPEDANCE, NOM.	100 $\pm$ 15 Ω 1 - 250 MHz
IMPEDANCE, SMOOTHED	100 $\pm$ 10 Ω TYPICAL 5 - 250 MHz
RETURN LOSS	$1 \leq f \leq 10$ 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
PS ACRF	$1 \leq f \leq 250$ 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 $1.5[1.808 \sqrt{(f)} + 0.017(f) + 0.20/\sqrt{(f)}]$ dB MAX
DELAY	$1 \leq f \leq 250$ MHz $534 + 36/\sqrt{(f)}$ ns MAX
DELAY SKEW	$1 \leq f \leq 250$ MHz <45 ns
TCL	$1 \leq f \leq 250$ MHz 30 - 10 LOG(f/100)
ELTCTL	$1 \leq f \leq 30$ 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-ST1		
DRAWING #	QWC0109	2 of 2