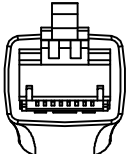


WRJ45ES END VIEW



12345678

1 = WHITE/ORANGE (+TX)

2 = ORANGE (-TX)

3 = WHITE/GREEN (+RX)

4 = N/C

5 = N/C

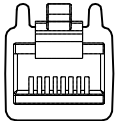
6 = GREEN (-RX)

7 = N/C

8 = N/C

Ethernet

RJ45S END VIEW



12345678

1 = WHITE/ORANGE (+TX)

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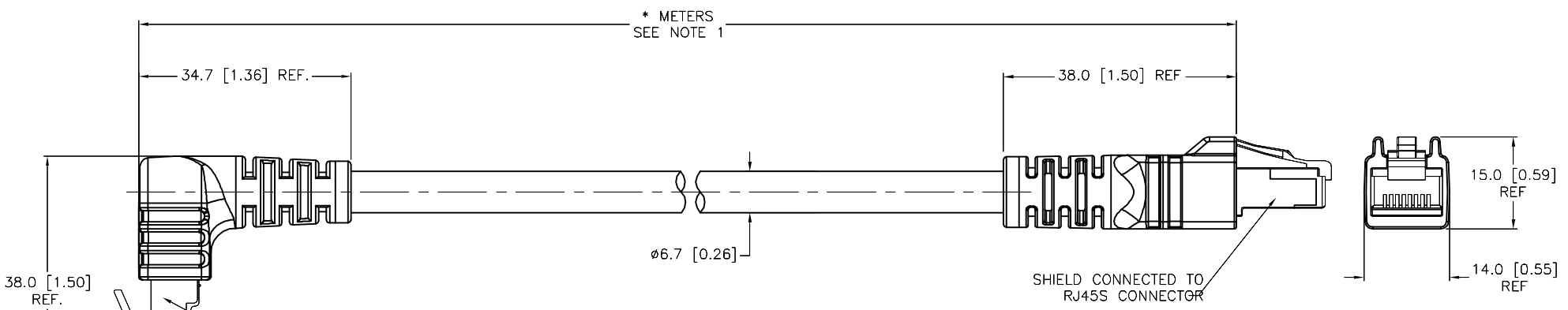
6 = GREEN (-RX)

7 = N/C

8 = N/C

Ethernet

SPECIFICATIONS	
CONTACT CARRIER MATERIAL/COLOR	POLYCARBONATE/CLEAR
MOLDED HEAD MATERIAL/COLOR	TPU/BLACK
CONTACT MATERIAL/PLATING	BRONZE/GOLD
RATED CURRENT [A]	1.5 A
RATED VOLTAGE [V]	42 V
OUTER CABLE JACKET MATERIAL/COLOR	TPE/TEAL
CONDUCTOR INSULATION MATERIAL	HDPE
NUMBER OF CONDUCTORS [AWG]	2UTP×24 AWG, STRANDED
SHIELDING	ALUM.-POLYESTER FOIL & T-C BRAIDED
TEMPERATURE RANGE	-40°C to +80°C (-40°F to +176°F)
PROTECTION CLASS	IEC IP20



\* METERS  
SEE NOTE 1

34.7 [1.36] REF.

38.0 [1.50] REF.

38.0 [1.50] REF.

15.0 [0.59] REF.

14.0 [0.55] REF.

SHIELD CONNECTED TO RJ45S CONNECTOR

SHIELD CONNECTED TO WRJ45ES CONNECTOR

Ø6.7 [0.26]

CABLE LENGTH	TOLERANCE*
ALL LENGTHS	+ 4% (OR 50mm) OF LENGTH - 0% (OR 0mm) OF LENGTH WHICHEVER IS GREATER
STRIP LENGTH	TOLERANCE*
0-7mm	±0.5mm
8-29mm	±1.0mm
30-49mm	±2.0mm
50-69mm	±3.0mm
70-100mm	±4.0mm
OVER 100mm	±5.0mm

\* UNLESS OTHERWISE SPECIFIED

"441" RAW CABLE SPECIFICATIONS

CABLE PROPERTIES: OIL, UV, WELD SLAG, AND ABRASION RESISTANT

VOLTAGE RATINGS (MAX): 600V

CATEGORY: CAT 5e; (CABLE WILL MEET CAT 5e CHANNEL REQUIREMENTS TO 90M LENGTH)

POE COMPLIANT (802.3af): UP TO 80M LENGTH WHEN INSTALLED PER RECOMMENDATIONS IN TIA TSB-184

FLEXLIFE: 10X CABLE OD MIN: 1 MILLION CYCLES (TICK TOCK)  
20X CABLE OD MIN: 10 MILLION CYCLES (TICK TOCK)

TORSION TEST: 3 MILLION CYCLES (1lb LOAD, 360°-71 CYCLES/min)

APPROVALS: C(UL)US CMX-OUTDOOR-CM LISTED, AWM RECOGNIZED  
COMPLIANT WITH NEC ARTICLE 800 COMMUNICATIONS CABLES

NOTES:

1. "\*" INDICATES CABLE LENGTH IN METERS. CONTACT TURCK TO ORDER SPECIFIC LENGTHS.

H	UPDATE CABLE DIAMETER	KMY	11/14/14	47778
REV	DESCRIPTION	BY	DATE	ECO NO.

RELATED DOCUMENTS

1.

2.

3.

4.

MATERIAL

FINISH

3RD ANGLE PROJECTION

ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY

CONTACT TURCK FOR MORE INFORMATION

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DRFT RDS

APVD

DATE 11/20/07

SCALE 1=1.0

UNIT OF MEASUREMENT

MILLIMETER [ INCH ]

DO NOT SCALE THIS DRAWING

TURCK INC

High Technology Sensors and Automation Controls

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MINNEAPOLIS, MN 55441  
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(763) 553-7300  
(763) 553-0708 fax  
turck.com

DESCRIPTION

WRJ45ES RJ45S 441-\*M

IDENTIFICATION NO.

REV

H

FILE: 777018694

SHEET 1 OF 1