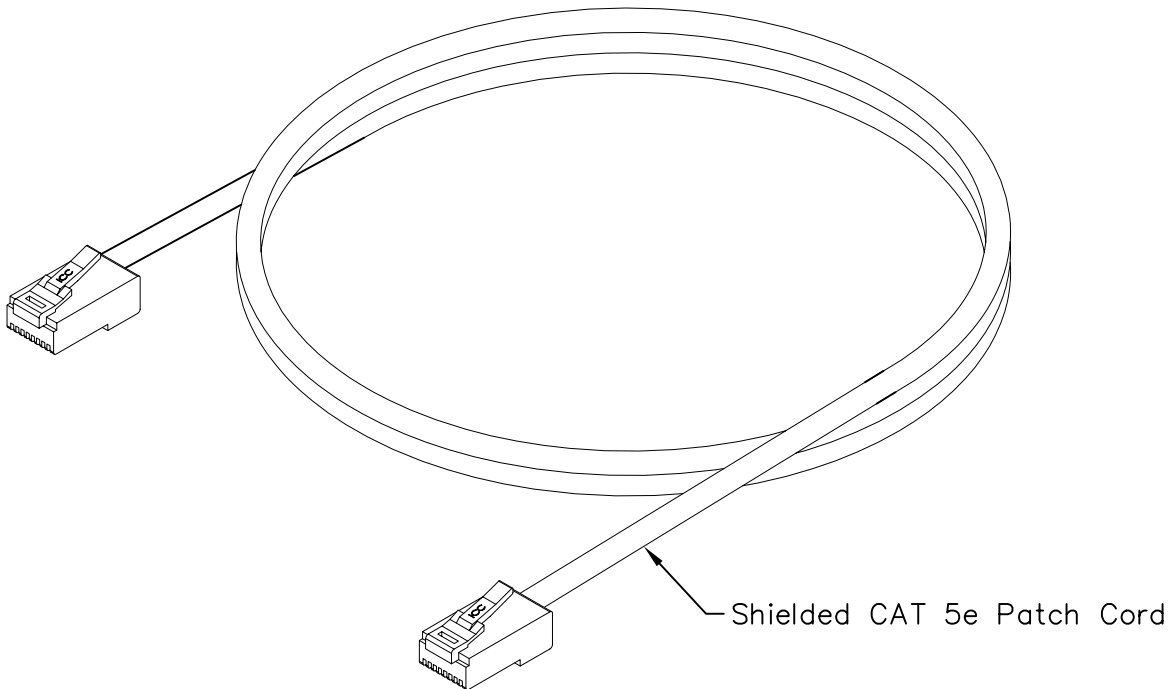


Shielded Category 5e Patch Cord

PRODUCT SPECIFICATION

Package includes:

A. Shielded CAT 5e Patch Cord, 1 pc



Features and Benefits:

- Screened Twisted Pair (ScTP) CAT 5e patch cords provide maximum performance and uninterrupted signal integrity
- Designed to minimize cross talk and maintain signal integrity
- Provides shielding against electro-magnetic interference (EMI)
- Meets ANSI/TIA/EIA-568-B.2 Category 5e requirements
- Backwards compatible to all lower rated category components
- Used with IC1078S500 shielded CAT 5e modules
- Available in 3, 7, and 10 FT

PATCH CORD, CAT 5E, SHIELDED

ITEM NO. ICPCSSXXGY

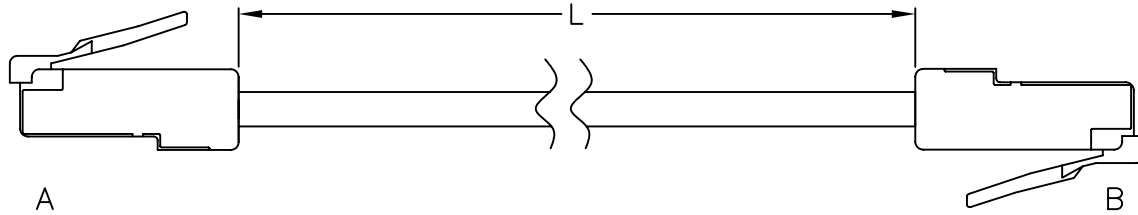
REV. A

DWG NO. PSPCSS00GY

PAGE NO. 1



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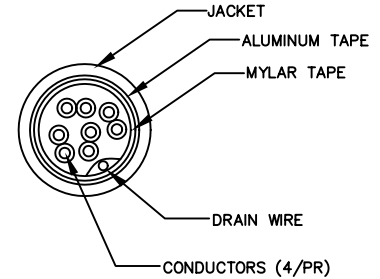


NOTE: UNLESS OTHERWISE SPECIFIED

1. ELECTRICAL/PHYSICAL:

A. CABLE:

- CAPACITANCE, MUTUAL: 20 PF/FT (65.6 PF/M) AT 1 MHZ
- CAPACITANCE, UNBALANCE: 330 PF PER 328 FT (100 M) MAX
- DIELECTRIC WITHSTAND: DC 2.5 KV FOR 2 SECONDS MIN
AC 1.7 KV FOR 2 SECONDS MIN
- VOLTAGE RATING: 300V MAX
- D.C. RESISTANCE: 14 OHMS/328 FT (100 M) @ 20°C MAX
42.7 OHMS/KFT (140.1 OHMS/KM) @ 20°C MAX
- D.C. RESISTANCE, UNBALANCE: 5% MAX
- NOMINAL IMPEDANCE, CHARACTERISTIC: 100 OHMS ± 15
- IMPEDANCE, SURFACE TRANSFER: 37 + 4*FREQ + 4*FREQ^{1/2} + 5*FREQ^{1/3} AFTER 500 FLEX CYCLES MAX
- ATTENUATION: 26 AWG $\leq (1.967 \cdot \sqrt{\text{FREQ}}) + .023 \cdot (\text{FREQ}) + .505 \cdot \sqrt{\text{FREQ}} \cdot 1.5 \text{ MAX}$



Frequency	0.772	1	4	8	10	16	20	25	31.25	62.5	100
Impedance Ohms	N/A	100 Ohms ±15%									
Attenuation (db/100M, Max.)	2.7	3.2	6.5	8.7	9.9	12.3	13.8	15.6	17.7	25.7	33
NEXT (db) Loss	64	62	53	48	47	44	42	41	39	35	32

B. MODULAR PLUG:

- UL APPLICATIONS: 250 VOLTS MAX, AT 2 AMPS
- RESISTANCE OF INSULATION: 500 MOHMS
- RESISTANCE OF TERMINATION: 35 MILLIOHMS MAX AFTER 20°C
- DIELECTRIC WITHSTANDING VOLTAGE: 500 VOLTS AC

2. MECHANICAL:

- A. CABLE-TO-PLUG TENSILE STRENGTH: 20 LBS [89N] MIN
- B. DURABILITY: 200 MATING CYCLES MIN

3. MATERIAL & FINISH:

A. CABLE:

- CONDUCTOR: 26 AWG (7/34) STRANDED TINNED COPPER, .0189" (.480 mm) NOMINAL DIAMETER
POLYOLEFIN INSULATION .036" (.914 mm) NOMINAL DIAMETER
- TWISTED PAIR: TWO CONDUCTORS TWISTED TOGETHER WITH LAY LENGTHS LESS THAN .6" (15 mm) TO REDUCE CROSSTALK
- CORE: FOUR PAIRS ARE CABLED TOGETHER AND ENCLOSED BY A POLYESTER BEDDING TAPE
- COLOR: WHT/BLUExBLUE/WHT, WHT/ORANGExORANGE/WHT
WHT/GREENxGREEN/WHT, WHT/BROWNxBROWN/WHT (SECONDARY COLOR IS A BANDMARK)
- SHIELD: .0025" (.064 mm) ALUMINUM/POLYESTER TAPE, FOIL IN, 26 AWG (7/34) TINNED COPPER DRAIN WIRE
- JACKET: FR-PVC, GRAY .021" (.533 mm) NOMINAL WALL THICKNESS, .21" (5.33 mm) NOMINAL DIAMETER

B. MODULAR PLUG: UL AND cUL RECOGNIZED

- HOUSING: PC, UL 94V-0
- COLOR: CLEAR
- CONTACT: PHOSPHOR BRONZE, 0.014" THICK
- GOLD PLATING: 1.27 MICRONS/50 MICRO INCH MIN ON CONTACTS
- NO. OF CONTACTS: 8

4. APPROVALS:

- A. UL LISTED COMMUNICATIONS CABLE TYPE CM 75°C
- B. CSA OR cUL LISTED PREMISES COMMUNICATIONS CABLE 60°C
- C. UL OR ETL VERIFIED CATEGORY 5E

5. COLOR: GY-GRAY

WIRING DIAGRAM		
PLUG A	PLUG B	COLOR
1	1	WHITE/ORANGE
2	2	*ORANGE
3	3	WHITE/GREEN
4	4	*BLUE
5	5	WHITE/BLUE
6	6	*GREEN
7	7	WHITE/BROWN
8	8	*BROWN

* A WHITE MARKING IS OPTIONAL

ITEM NO.	L(FT)	TOLERANCE(IN)
ICPCSS03GY	3	+1.5 -0
ICPCSS07GY	7	+2 -0
ICPCSS10GY	10	+3 -0

PATCH CORD, CAT 5E, SHIELDED			
ITEM NO.	ICPCSSXXGY		REV. A
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