



RJ45 CAT 5E ETHERNET Super ITS - RJ45 SuperSeal™ Rugged Field Connectors



Environmental, shielded, reverse-bayonet connectors

Super ITS 300: Rugged reverse-bayonet plugs and receptacles with easy plug-and-play cabling to commercial Cat 5e RJ45 cables.



Super ITS 300 RJ45 SuperSeal, Cat 5e connectors are designed for easy and convenient integration with commercial RJ45 cables. The "300" is quickly cabled up for rugged field use. Simply plug-and-play your RJ45 plug cable into the jack and install your choice of cable sealing backshell accessory. Super ITS 300 SuperSeal Cat 5e connectors support 10BASE-T, 100BASE-TX, and 1000BASE-T/1000BASE-TX data rates. Rugged reverse-bayonet mating provides easy plug-to-jack intermateability while the locking three pin bayonet coupler prevents demating under high shock and high vibration conditions. Super ITS 300 plug connectors have an RJ45 plug in mating interface; all receptacles have RJ45 jacks. Accessory thread (1-20 UNEF) for attachment of backshells and adapters.

SUPER ITS: RUGGEDIZED RJ45 ETHERNET AND USB

Performance Specifications	
Material and Finish	
Material/Finish	See How to Order table
RJ45 Coupler Housing	UL94V-0 Compliant ABS or PPS
Grommet, Peripheral Seal, Interfacial Seal, O-ring	Blended fluorosilicone/silicone elastomer, 30% silicone per ZZ-R-765, 70% fluorosilicone per MIL-R-25988
Shielding Sleeve	Material: Copper alloy Finish: Nickel
Signal / Electrical Specifications	
Data Rate	CAT 5e = 10BASE-T, 100BASE-TX, and 1000BASE-T/1000BASE-TX
Frequency	100 MHz, Cat 5e
Current Rating	Cat 5e, 1.5 Amps
D.W.V.	1000 VDC (700 VAC)
I.R.	500 Mega ohms @ 500 VDC
Cabling Length	Up to 100 meters or 100 meters max.
Mechanical Performance	
Sealing	IP68 mated condition, IP67 unmated condition
Operating Temperature	-40°C to +120°C
Vibration	37 g
Mechanical Shock	300 g's
Mating Cycles	500

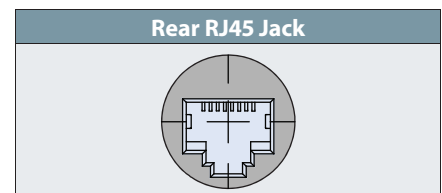
How To Order						
Sample Part Number:	ITS 300	030	G	18	5E	1 F7
Series	ITS 300 = for use with commercial RJ45 plug cables					
Shell Style	See shell style table					
Insert-to-Shell Grounding (Receptacle Only)	G = Recommended for use with shielded cables (omit for plug styles)					
Shell Size	18					
Cable Category	5E = Cat 5E; for Cat 6A applications consult factory					
RJ45 Orientation	1, 2, 3 or 4					
Material / Finish	Omit for aluminum / cadmium olive drab (G3) F7 = Aluminum / black zinc nickel F11 = Aluminum / electroless nickel					

RJ45 Orientation Options			
Plugs			
Code 1	Code 2	Code 3	Code 4
Receptacle			
Code 1	Code 2	Code 3	Code 4

Connector Shell Styles	
Code	Description
030	Rear panel mount, wall mount receptacle with through-mount holes
01	In-line receptacle
070	Rear panel mount, jam-nut receptacle
06	Plug

Super ITS 300 connectors:
06 connector plug shell style has male RJ45 plug at connector mating interface.
030, 01, and 070 connector receptacle shell styles have female RJ45 jack at connector mating interface.

All shell styles have female RJ45 cable jack at rear



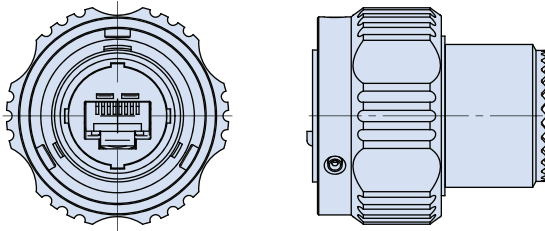


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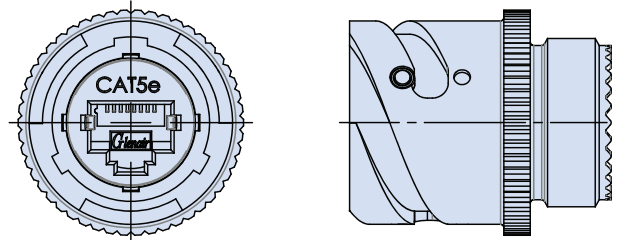
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SHELL STYLE 06: PLUG WITH ACCESSORY THREADS



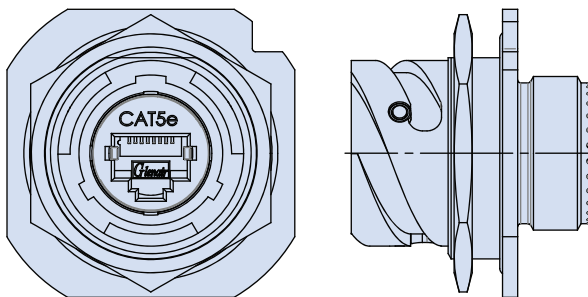
Sample Part Number						
ITS300	06	G	18	5E	1	F7
Series	Shell Style	Ground Omit for none	Shell Size	Cable Type	RJ45 Position 1, 2, 3, 4	Material / Finish G3 (omit) FG, F7, F11

SHELL STYLE 01: INLINE RECEPTACLE WITH ACCESSORY THREADS



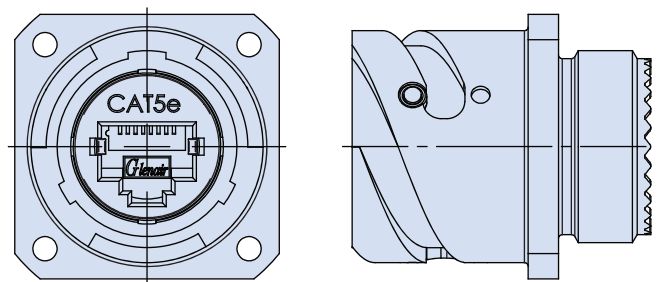
Sample Part Number						
ITS300	01	G	18	5E	1	F7
Series	Shell Style	Ground Omit for none	Shell Size	Cable Type	RJ45 Position 1, 2, 3, 4	Material / Finish G3 (omit) FG, F7, F11

SHELL STYLE 070: REAR PANEL MOUNT JAM-NUT RECEPTACLE WITH ACCESSORY THREADS



Sample Part Number						
ITS300	070	G	18	5E	1	F7
Series	Shell Style	Ground Omit for none	Shell Size	Cable Type	RJ45 Position 1, 2, 3, 4	Material / Finish G3 (omit) FG, F7, F11

SHELL STYLE 030: REAR PANEL MOUNT SQUARE FLANGE RECEPTACLE WITH THROUGH-MOUNT HOLES AND ACCESSORY THREADS



Sample Part Number						
ITS300	030	G	18	5E	1	F7
Series	Shell Style	Ground Omit for none	Shell Size	Cable Type	RJ45 Position 1, 2, 3, 4	Material / Finish G3 (omit) FG, F7, F11

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