

ITW GSE

400 Hz SINGLE JACKET CABLE ASSEMBLIES

Modular 400 Hz Cable Assemblies

ITW GSE has built its reputation on quality cables. The ITW GSE Modular 400 Hz Cable Assemblies provide the best design with the maximum number of options. Our streamlined connector provides greater versatility for today's aircraft and future aircraft requirements.

FEATURES INCLUDE:

- Cable assemblies are ETL listed to UL standards. This is especially critical for airport requirements.
- Patented high visibility replacement contact section (nose) – allows for in-field replacement in 3-5 minutes and extends the cable lifetime.
- Available with plug-in switch modules – allows for in-field replacement in 3-5 minutes with no wiring. Gold plated contacts ensure superior electrical connections in the most adverse conditions. Available in ON/OFF, UP/DOWN, IN/OUT, and or LED's.

- Cost effective – modular design, superior construction and durability reduce life cycle costs and increases productivity.
- High performance – reduces phase unbalance by 97%, voltage drop by 35% over banded cable.
- Thermgard® Replacement contact section – provides added protection from worn or loose contact by sensing heat rise (hot plug) which can result in fire.
- Thermgard® is located in the head of the cable.
- The most durable high performance cable in the market according to independent studies.
- Thermgard® is an option for the replacement contact section.



SPECIFICATIONS

Power Conductors	6 EACH, AWG #4
Neutral Conductor	1 each, AWG #1
Control Conductors	4 x 3, 2 x 2 AWG #18
Stranding	Class M, Extra Flexible
Voltage Rating	600 VAC
Current Rating	260 Amperes
Cold Bend Rating	-50° C
Voltage Drop	2.80 Volts*
Voltage Unbalance	> 0.20 VOLTS*
Max. Continuous Conductor Temp.	+90° C
Diameter	1.65 inches
Bending Radius	10 inches
Weight per foot	2.1 lbs.

*at 90kVA, 0.8 power factor on 60-ft. cable.

It's all about connections



ITW GSE 400 Hz Single Jacket Cable Assemblies

Cable Protection

CABLE SCUFF JACKET - JB7501

The ITW GSE Cable Scuff Jacket JB7501 / JB7502 allows easy handling of the cable on the ramp and in hangar bays by allowing it to easily slide across the ground surface. The scuff jackets also offer protection against harsh environments and are secured with Cold Shrink. Available in high visibility orange JB7501.



CABLE HEAD DUST CAP - JB400CY

The ITW GSE 400 Hz Cable Head Dust Cap ensures that debris and live connectors do not pose a hazard to personnel or equipment. The dust cap fits securely onto any new replaceable contact section, as shown below.



TYPICAL GROUND POWER CABLE ASSEMBLY PART NUMBERS				
Example TGX9516-60	TGX Nose Type	95 Connector Type	16 Cable Type	60 Length: In Feet
NOSE TYPES				
JB or JBX	Standard replacement contact section (Part # JB7174 or JB7174X)			
TG or TGX	Thermgard (green) Replacement contact section (Part # JB7178 or JB7178X)			
CONNECTOR TYPES				
82	400 Hz Ground Power Plug, not prewired for switches, Blue Nose			
88	400 Hz Ground Power Plug, not prewired for switches, Yellow Nose			
86	400 Hz Ground Power Plug with ON/OFF modular switch (2nd module optional)			
94	400 Hz Ground Power Plug with OFF ONLY modular switch (NO or NC)			
95	400 Hz Ground Power Plug with ON/OFF and UP/DOWN modular switches			
CABLE TYPES				
10	Single Jacketed 180 Amp Balanced Center Neutral			
16	Single Jacketed 260 Amp Balanced Center Neutral			
17	Single Jacketed 260 Amp Balanced Center Neutral, Remote Voltage Sensing			