



TECHNICAL DATA

BUTT CONNECTOR

Shrink/Solder Connectors

Butt Connector is a unique shrink/solder connector with thermoplastic adhesive rings and internal hot-melt adhesive.

Butt Connector is ideal for producing joints required in outdoor electronic installations and for connections which must stand up to particularly adverse environmental conditions.

FEATURES:

- Extremely easy to install, the quality can be checked visually, requires no special tools.
- Joins, solder and seals in one pass.
- Can be used for flexible and solid conductors.
- Prevents voltage loss.
- Is an excellent protection against corrosion, UV rays, water, chemicals and acids.
- Has excellent resistance to abrasion, as well as a high strain relief due to the bond with the cable insulation.
- The connector is particularly suited for use on small devices due to the small diameter.

APPLICATION EXAMPLES:

- Cable splices and shield connections.
- Installation of alarm systems and radios.
- Installation of trailer hitches.
- Installation and repair of electrical equipment.
- Installation of illuminated signs and lighting.
- Watertight installations on outboard motors.
- Mounting accessories on ATVs, quads and motorcycles.

APPLICATION AREAS:

- Plant construction, elevator and conveyor systems, devices and mechanical engineering, agricultural machines and municipal equipment, motor vehicles and commercial vehicles, trailer and caravan construction, Hi-Fi systems and entertainment, aeronautical engineering and marine, amusement parks and maintenance services, light and switch cabinet construction, racing, etc.



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TECHNICAL DATA:

Outer Wall:	Modified Polyolefin
Type:	2 Solder Rings
Sealing Ring:	Thermally Stable Thermoplastic
Diameter: (Ø minimum x Length maximum)	Transparent: Ø 1.7 mm x 26 mm Red: Ø 2.3 mm x 31 mm Blue: Ø 4.3 mm x 36 mm Yellow: Ø 6.8 mm x 42 mm
Wire Diameter :	Transparent: Ø 0.1 – 0.5 mm ² Red: Ø 0.5 – 1.5 mm ² Blue: Ø 1.5 – 2.5 mm ² Yellow: Ø 4.0 – 6.0 mm ²

Thermal Properties:

Installation Temperature:	+140°C to +210°C
Temperature Resistance:	-55°C to +125°C

Chemical Properties:

Chemical Resistance:	good
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Electrical Properties:

Dielectric Strength:	>15,8 kV/mm	ASTM D2671
Specific Volume Resistance:	10 ¹⁵ Ω x cm	ASTM D876
Voltage Drop:	<2,5MV	NAS1745
Voltage Resistant:	>600V	UL224

Instructions for use:

A hot air blower is recommended for processing. A lighter is sufficient for smaller diameters. Heat around the connection evenly. Strip 10-12mm of cable. Push the wires into the Butt Connector and press the solder rings flat, so that the connection has a firm hold. Heat the solder rings until they are completely melted. Then shrink the isolation until the O-rings are properly closed. After cooling, check the tightness and the good flow of solder.

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