

**POST INSULATION SLEEVE FOR FASTON* Connector,
6.3 mm & 9.5 mm series RECEPTACLE CONTACT.**

1. SCOPE

This specification covers the performance requirements and test methods of the 1 way FASTON INSULATION SLEEVE suitable for FASTON* Connector Receptacle Contacts.

1.1 Characteristics

Mentioned sleeves are to insulate FASTON Connectors, 6.3mm & 9.5mm series Receptacle Contact.

1.2 Applicable drawing numbers

This specification is applicable for the products mentioned on the following table:

TYCO P/N	WIRE RANGE section	INSULATION RANGE diameter
280232	Up to 2.5 mm ²	4.4 mm
280233	Up to 6.0 mm ²	5.5 mm
280311	Up to 10.0 mm ²	7.6 mm
180460	Up to 2.5 mm ²	3.7 mm
180930	Up to 2.5 mm ²	3.7 mm

In the event of conflict between the requirements of this specification and the product drawing, the product drawing shall take precedence.

In the event of conflict between the requirements of this specification and the referenced documents, this specification shall take precedence.

For test reports contact Engineering.

2. REQUIREMENTS

2.1. Design and construction

Connectors shall be of the design, construction and physical dimensions specified on the applicable product drawings, called Customer drawing (C-TE AMP P/N).

2.2. Materials

Housing: PA 6.6 unfilled natural
Polyethylene for P/N 180930-...
PA 6 unfilled for P/N 3-180930-0

Receptacle contact: Tin plated Brass and Tin plated Phosphor Bronze.

C2	REVISED & RETYPED	DB	10 APR 2026	RE	10 APR 2026
rev letter	rev. record	DR	Date	CHK	Date
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Page 1 of 2

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FTEC174 rev. 2 - July 99

2.3. Temperature rating

Temperature rating shall be within the following range:
-25°C - +86°C

2.4. Flammability

The housing material should pass the flammability test according to UL norm 94-V2 and 750°C No Flame according to IEC 60335-1 for P/N.s 280232-8(*) and 3-180930-0.

3. TEST REQUIREMENT AND PROCEDURE SUMMARY

Product should be tested at ambient temperature of 25°C +/-5°C and housings humidity should not exceed 2%.

3.1. Mechanical requirements

TEST DESCRIPTION	PROCEDURE	REQUIREMENT	
3.1.1. Mating force	Fasten the plastic part to the dynamometric stand then push the crimped contact into the cavity held at 5 mm from the crimped insulation barrel. The contact should be free to rotate around proper axis.	P/N	Max. Force [KG]
		280232	6.0
		280233	6.0
		280311	8.5
3.1.2. Unmating force	Subject terminal to axial force from the crimped wire	P/N	Min. Force [KG]
		280232	8.0
		280233	8.0
		280311	10.0

3.2. Electrical requirements

TEST DESCRIPTION	PROCEDURE	REQUIREMENT
3.2.1. Insulation resistance	Put in touch externally the Rec. contact Loaded into housing to an metallic element. 500 Vcc, hold 1 minute	$\geq 10 \text{ M}\Omega$

4. QUALIFICATION

When all the tests have been successfully performed on the subject product line, the product is qualified according to the present specification.

(*) Product not yet released for production.