



Energy Division

Smooth Profile Straight Joint Connectors For Conductors Up To 36kV

Application :

These connectors are designed primarily for use on stranded copper conductors in joints where the smoothness of connector profile is at a premium.

Description :

These connectors are composed of :

- Brass or Copper (Electro-Tin Plated) bodies.
- Brass multi-shear range taking bolts.

Features and Benefits :

▶ Vee design for ease of installation :

- Ensures alignment.
- Reduces connector resistance.
- Solid Moisture Block.

Low torque shear-head bolts :

- All bolts use a 19mm standard socket or spanner.
- Controlled application torque.

Smooth Connector Profile When Installed :

- Tapered ends
- Bolt heads shear off flush with connector body.
- Reduced overall diameter.

Specification :

- Designed to meet BS4579 Part 1.

DATA SHEET
 Number : BAH-0310
 Date : 23/09/2008
 Revision : A

| PN | TCPN | TEPN | Short Description | Circular Compacted Stranded Conductor Range (mm ²) | |
|---------------|------------|-------------|-------------------|--|------------|
| | | | | Minimum | Maximum ** |
| BAH-022110046 | 951614-000 | 6-1199688-7 | VTPB21UTB | 95 | 240 |
| BAH-022110048 | 153662-000 | 5-1199698-0 | VTPB27UTB | 185 | 400 |
| BAH-022110050 | 009272-000 | 0-1199702-5 | VTPB2822UTB | 185 & 95 | 400 & 240 |
| BAH-022110061 | 268594-000 | 8-1199959-6 | VTPB3222UTB | 400 & 95 | 500 & 240 |
| BAH-022110052 | 733062-000 | 5-1199666-3 | VTPC28UTB | 185 | 400 |
| BAH-022110118 | CB3767-000 | - | VTPC31UTB | 400 | 500 |
| BAH-022110064 | 764402-000 | 4-1199958-3 | VTPC32UTB | 400 | 500 |
| BAH-022110055 | 973448-000 | 7-1199687-2 | VTPC36UTB | 500 | 630 |
| BAH-022110089 | 110842-000 | 7-1199960-4 | VTPC37UTB | 630 | 800 |
| BAH-022110110 | CA5514-000 | - | VTPC44UTB | 800 | 1000 |
| BAH-022110127 | CL7415-000 | - | VTPC2822UTB | 185 & 95 | 400 & 240 |
| BAH-022110128 | CL7416-000 | - | VTPC3625UTB | 500 & 185 | 630 & 300 |
| BAH-022110054 | 646566-000 | 7-1199668-8 | VTPC3640UTB | 500 & 630 | 630 & 800 |
| BAH-022110093 | D84139-000 | 5-1200348-4 | VTPC4025UTB | 630 & 185 | 800 & 300 |
| BAH-022110112 | CA7654-000 | - | VTPC4436UTB | 800 & 500 | 1000 & 630 |

** Maximum conductor size may be larger than quoted above. Actual conductor size would need to be measured for fit against bore diameter quoted below.

| PN | Connector Dimensions (mm) | | | |
|---------------|---------------------------|---------------|--------------|---------------|
| | Overall Length | Body Diameter | Bore Depth | Bore Diameter |
| BAH-022110046 | 148.2 | 40.25 | 62.0 | 21.0 |
| BAH-022110048 | 174.2 | 46.5 | 74.0 | 27.0 |
| BAH-022110050 | 173.2 | 46.5 (26.0) | 73.5 | 28.0 & 22.0 |
| BAH-022110061 | 173.2 | 51.25 (26.0) | 73.5 | 32.0 & 22.0 |
| BAH-022110052 | 173.2 | 46.5 | 73.5 | 28.0 |
| BAH-022110118 | 178.2 | 50.8 | 75.5 | 31.0 |
| BAH-022110064 | 173.2 | 51.25 | 73.5 | 32.0 |
| BAH-022110055 | 178.2 | 55.25 | 75.5 | 36.0 |
| BAH-022110089 | 230.2 | 56.75 | 94.0 | 37.5 |
| BAH-022110110 | 230.2 | 63.5 | 94.0 | 44.0 |
| BAH-022110127 | 173.2 | 46.5 (26.0) | 73.5 | 28.0 & 22.0 |
| BAH-022110128 | 178.2 | 55.25 (30.0) | 75.5 | 36.0 & 25.0 |
| BAH-022110054 | 176.66 | 55.25 | 75.5 & 73.96 | 36.0 & 40.0 |
| BAH-022110093 | 176.86 | 55.25 (30.0) | 73.96 & 75.5 | 40.0 & 25.0 |
| BAH-022110112 | 230.2 | 63.5 (41.0) | 94.0 | 44.0 & 36.0 |

Short Description : VTPYXXUTB or VTPYXXXXUTB

'Y' : Denotes the connector body material

- o B = Brass
- o C = Copper (Electro-Tin Plated)

'XX' : Denotes connector body bore diameter

'XXXX' : Denotes connector body bore diameter's are different at each end.

NOTES :

- o A fully adjustable connector holding tool is available for use with this range PN : BAH-028050013 (TCPN : 188072-000).
- o Extra length bolts are available on request to facilitate use on smaller conductors.
- o Please contact your Tyco Electronics sales representative for other connector ranges.

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