

Butt Type Connectors Yak-1, Yak-2, Yak-10 General Instructions



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This specification supersedes all previous documentation, specifications and data sheets.

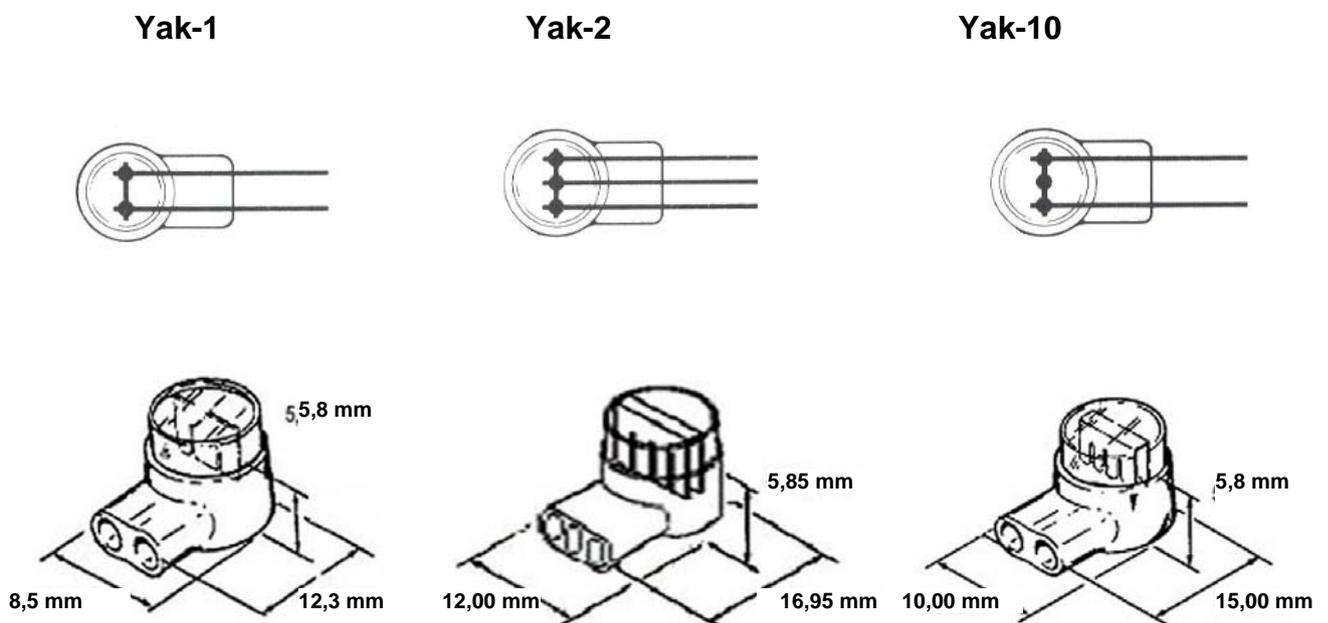
1. General

Butt Type connectors of Kunt are an IDC (Insulation Displacement Contact) type connectors which gives you a gas tight connection without the need of stripping, screwing or soldering.

The durable polycarbonate body of the connectors have a high dielectric strength and allows visual inspection of the connection.

Connectors are filled with a corrosion-resistant sealant, which protects connected conductors and U-contacts against water and moisture, thus extending the life of the connection. Also each connector has an unfilled, dry version.

Yak-2 can be used for either 2 or 3 wire jointing. Yak-1 and Yak-10 are designed for 2 wire jointing.



1.1 Application

These connectors can be used on pulp or paper cable and they are capable of operating in a wide variety of climatic conditions and will survive total immersion in water under emergency conditions.

In one continuous action with Yak-8 Crimping Tool, easy, fast and reliable connection is completed for any conductor combinations that shown in application chart.

1.2 Precautions

Do not use solvents, insect sprays, etc. that are harmful to polycarbonate, especially those containing chlorinated hydrocarbons.

Clean tools with approved cable cleaners. If tool is dipped in a liquid solvent, dry thoroughly.

Notes:

- The suitability of a connector for a particular application depends upon heconductor type, conductor diameter, and insulation O.D. Each factor should be considered for a given application. See application chart.
- Wires do not have to be the same diameter to be crimped in a conductor

YAK CONNECTORS DESCRIPOTION and APPLICATION CHART

| Code | Description |
|---------|---|
| YAK-1 | 2 wire filled butt type connector |
| YAK-1D | 2 wire unfilled butt type connector |
| YAK-1F | 2 wire unfilled flame retardant (UL 94V-0) butt type connector |
| YAK-1C | 2 wire connector in cartridge |
| YAK-2 | 2 or 3 wire filled butt type connector |
| YAK-2D | 2 or 3 wire unfilled butt type connector |
| YAK-2F | 2 or 3 wire unfilled flame retardant (UL 94V-0) butt type connector |
| YAK-2C | 2 or 3 wire connector in cartridge |
| YAK-10 | 2 wire filled butt type connector |
| YAK-10D | 2 wire unfilled butt type connector |
| YAK-10F | 2 wire unfilled flame retardant (UL 94V-0) butt type connector |

| Code | Wire Diameter | | Max. Insulation outer diameter |
|---------|---------------|---------|-----------------------------------|
| | mm | AWG | |
| YAK-1 | 0,35 - 0,8 | 27 - 21 | 1,52 mm / 0,06 in. |
| YAK-1D | 0,35 - 0,8 | 27 - 21 | 1,52 mm / 0,06 in. |
| YAK-1F | 0,35 - 0,8 | 27 - 21 | 1,52 mm / 0,06 in. |
| YAK-1C | 0,35 - 0,8 | 27 - 21 | 1,52 mm / 0,06 in. |
| YAK-2 | 0,4 - 0,9 | 26 - 19 | 1,80 mm / 0,71 in. |
| YAK-2D | 0,4 - 0,9 | 26 - 19 | 1,80 mm / 0,71 in. |
| YAK-2F | 0,4 - 0,9 | 26 - 19 | 1,80 mm / 0,71 in. |
| YAK-2C | 0,4 - 0,9 | 26 - 19 | 1,80 mm / 0,71 in. |
| YAK-10 | 0,4 - 0,9 | 26 - 19 | 2,1 mm / 0,08 in. |
| YAK-10D | 0,4 - 0,9 | 26 - 19 | 2,1 mm / 0,08 in. |
| YAK-10F | 0,4 - 0,9 | 26 - 19 | 2,1 mm / 0,08 in. |

2. Splicing

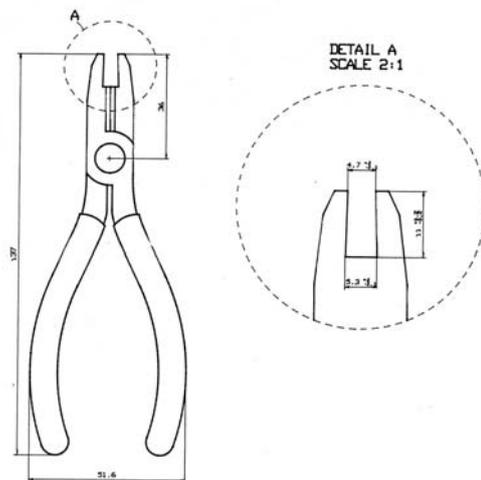
- Prepare cables per standard procedure.
- Select matching pairs. Locate joint by twisting pairs one full turn. **Wires should not be twisted after connectors are installed.**
- Trim wire ends evenly to a 25 mm minimum. **Do not strip insulation from wires.**

Note:

- If a filled cable wire is cut and allowed to sit for a period of time, the insulation may relax and extend past the conductor end. The extended insulation may prevent conductor from reaching the electrical contact. To ensure a good connection, trim filled cable wires just before crimping.
- Hold connector with cap side down. Push wires all the way into holes. Visually check wires through transparent body of connector to ensure that each wire is fully inserted.
- Crimp connector using a Yak-8 crimping tool. **Cap must be flush with body.**

Yak-8 Crimping Tool

Yak-8 tools are designed to make the best possible connection with the connectors.



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