

LLRS & HLRS - Power and Splice Connection

System for termination or connection of Heat Trace's LongLine Round heaters.

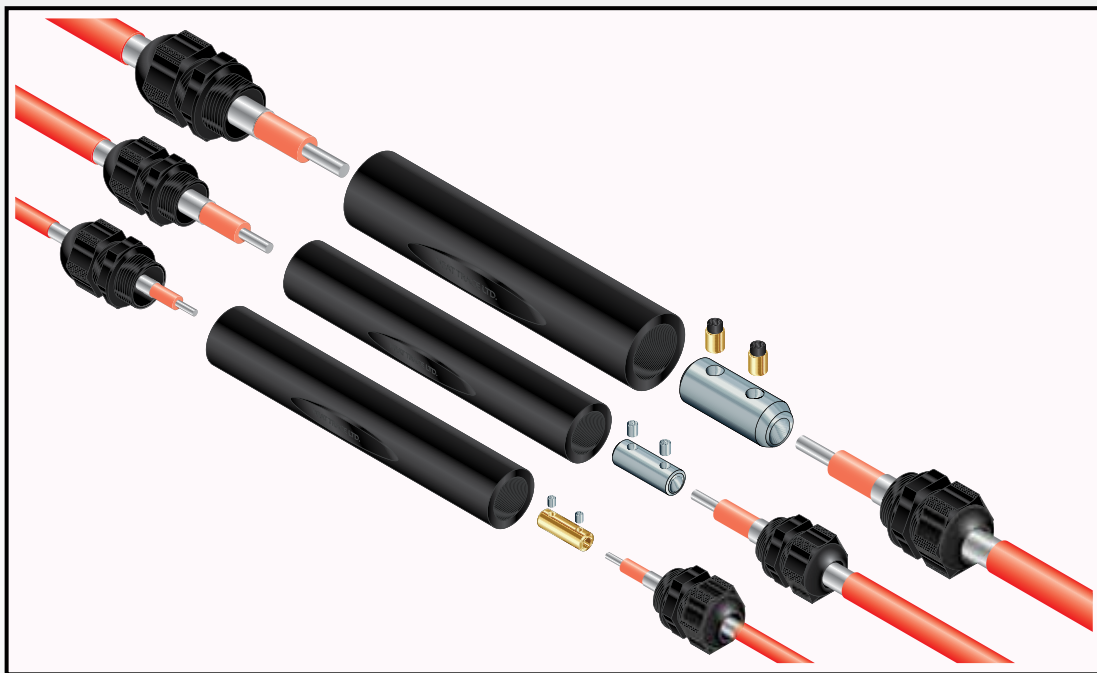
For Safe and Hazardous Areas

- Ambient temperature range +90°C to -40°C.
- Available for use in Hazardous areas.
- Ingress Protection IP67.
- Easy installation.

SYSTEM DESCRIPTION

A connection component used for the splicing of Heat Trace's Round Longline cables. The LLRS and HLRS can be used as a mid-line splice and for the connection to the power and end point for termination to a junction box or other electrical equipment.

The splice is a high integrity and easy to make connection being specifically designed for ease of installation on site.



The Heat Tracing Authority™

SPECIFICATION

COMPONENTS: LLRS and HLRS connectors.

- Body and Glands with seal
- Barrel Joint with grubscrews
- Nylon Grubscrews
- Potting Compound

AMBIENT TEMPERATURE RANGE: +90°C to -40°C
(+194°F to -40°F)

MINIMUM INSTALLATION TEMPERATURE: -40°C (-40°F)

IP RATINGS: IP67

SUITABLE FOR USE WITH: HTS1FAR-A All cable sizes in range

MATERIALS OF CONSTRUCTION: Body - Polyamide
Glands - Polyamide / Brass
Seal - Silicone
Barrel Joint - Brass or Aluminium
Grubscrew - Mild Steel
Nylon Grubscrew - Polyamide
Potting Compound - Silicone

WEIGHT: Body-170g
Populated splice-450g-800g
*Weight including packaging

POWER CABLE: A suitably sized cable is to be used. For more information contact HTL.

CURRENT RATING: LLRS - Upto 35A
HLRS - Upto 200A

VOLTAGE RANGE:

LLRS - 1.5kV AC/DC per phase
(2.5kV AC/DC 3-phase)
HLRS - 6kV AC/DC per phase
(10kV AC/DC 3-phase)

APPROVALS:

ATEX - CML 18ATEX3377U
IECEX - CML IECEX 17.0150U
EAC - EA3C RU C-GB.HA65.B.01384/22
UKEX - CML 21UKEX31151U

GLANDS, ENTRIES AND PHISTERIERS SIZES:

| Cable | Body | GLands | Phisterer |
|----------------|------|--------|-----------|
| HTS1FAR-A/3.1 | M25 | M20 | 10mmø |
| HTS1FAR-A/7.1 | M25 | M20 | 10mmø |
| HTS1FAR-A/12.6 | M25 | M20 | 10mmø |
| HTS1FAR-A/19.6 | M25 | M25 | 14mmø |
| HTS1FAR-A/28.3 | M25 | M25 | 14mmø |
| HTS1FAR-A/40 | M32 | M32 | 24mmø |
| HTS1FAR-A/60 | M32 | M32 | 24mmø |

SPLICE AND TERMINATION KIT SIZES:

| Splice Kits | Gland Type | Cable Size |
|------------------|------------|-----------------|
| SK-HTS1FAR-LRG-B | Brass | 28.3, 40 & 60 |
| SK-HTS1FAR-LRG-P | Plastic | 28.3, 40 & 60 |
| SK-HTS1FAR-MED-B | Brass | 19.6 & 28.3 |
| SK-HTS1FAR-MED-P | Plastic | 19.6 & 28.3 |
| SK-HTS1FAR-SML-B | Brass | 3.1, 7.1 & 12.6 |
| SK-HTS1FAR-SML-P | Plastic | 3.1, 7.1 & 12.6 |

| Termination Kit | Gland Type | Cable Size |
|------------------|------------|-----------------|
| TK-HTS1FAR-LRG-B | Brass | 28.3, 40 & 60 |
| TK-HTS1FAR-LRG-P | Plastic | 28.3, 40 & 60 |
| TK-HTS1FAR-MED-B | Brass | 19.6 & 28.3 |
| TK-HTS1FAR-MED-P | Plastic | 19.6 & 28.3 |
| TK-HTS1FAR-SML-B | Brass | 3.1, 7.1 & 12.6 |
| TK-HTS1FAR-SML-P | Plastic | 3.1, 7.1 & 12.6 |

FURTHER INFORMATION:

Please consult the appropriate termination/splice instructions.



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