



## Key Features

- Ideal for RS232 long distance control cable
- Eca Euro class LSZH cable
- DoP and test class printed on cable
- Temperature rating -20 °C to 70 °C
- Voltage Rating 300 V Max
- Single pair overall foil cable
- CIBSE TM65 Embodied Carbon: 0.291 kg CO2e

## Overview

Aura Multicore cables manufactured and designed for sound broadcast, audio and instrumentation offering an alternative Belden style cable, with tinned copper conductors. A single pair cable with 18 AWG size conductors, single Drain Wire and overall foil shield in an LSZH Grey Sheath rated as Euroclass Eca.

## Product Specifications

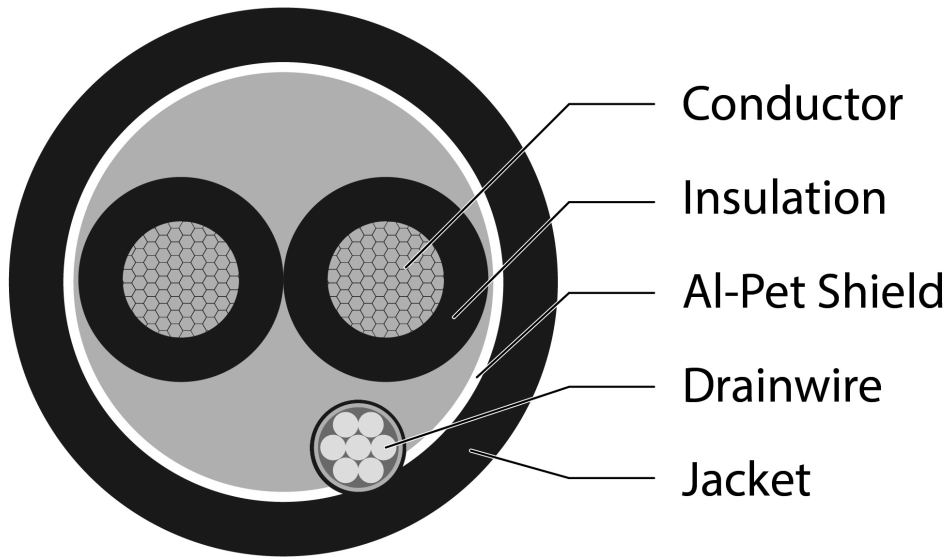
| Feature  | Values              |
|--|---------------------|
| Diameter of conductor  | TC 0.25 ±0.008 x 16 |
| AWG size   | 18                  |
| Core identification  | White/Black         |
| Overall screening  | Foil                |
| Outer sheath material  | LSZH                |
| Outer sheath colour  | Grey                |
| Flame retardant according to IEC 60332-1-2                                   | yes                 |
| Halogen free (acc. IEC 60754-2)  | yes                 |
| Reaction-to-fire class according to EN 13501-6                               | Eca                 |
| Outer diameter approx.   | 5.6mm ± 0.2         |
| Min. permitted bending radius, stationary application/permanent installation | 75 mm               |
| Operating Temperature Range  | -20...70 °C         |

| Feature  | Values               |
|----------|----------------------|
| Category | Multipair Unscreened |

## Additional specifications

| Features                             | Value                     |
|--------------------------------------|---------------------------|
| Insulation thickness                 | 0.71mm                    |
| Drain Wire                           | TC0.32 ±0.008 x 7 Overall |
| Max Conductor Dc Resistance          | < 23.7 MΩ/KM @ 20°C       |
| Min Insulation DC Resistance         | > 200 MΩ/KM @ 20°C        |
| Number of Pairs                      | 1                         |
| Alternative to Belden                | 8760                      |
| Capacitance - Conductor to Conductor | 70pF/m ±20                |
| Capacitance - Conductor to Shield    | 138pF/m ±25               |
| Voltage Rating                       | 300 Max                   |

**Cross-section diagram**



**Standards**

| Applicable standard                        | Detail   |
|--|--|
| RoHS-II/-III (2011/65/EU & 2015/863): 2023 | Our products, demonstrate full adherence to the regulatory stipulations of the EU Directive 2011/65/EU (RoHS-II) and its corresponding delegated directive 2015/863 (RoHS-III) |
| Directive 2008/98/EC (WFD)                 | Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988)  |

ECHA SCIP Database

Compliant - Does Not Contain  
Substances of Concern in Products

## Partcodes

| Partcodes        | Description   |
|------------------|---|
| 1801POFP         | aura 18AWG 1 Pair Belden Alternative Multicore Cable LSZH Eca Type 8760 Per Metre Grey  |
| 1801POFP-LSOH-WT | aura 18AWG 1 Pair Belden Alternative Multicore Cable LSZH Eca Type 8760 Per Metre White |