

# 7704NH

## Description

22 AWG solid bare copper, Foam flame retardant PE insulated, 2 pair, Beldfoil Aluminum Polyester shield, 24 AWG drain wire, LSNH jacket

## Dimensions

|                               |      |    |
|-------------------------------|------|----|
| Nom. insulation Thickness     | 0.45 | mm |
| Nom. diameter over insulation | 1.32 | mm |
| Nom. Jacket thickness         | 0.6  | mm |
| Nom. outer diameter           | 6.5  | mm |

## Electrical characteristics

|                                                      |     |        |
|------------------------------------------------------|-----|--------|
| Max. operating voltage                               | 300 | V Rms. |
| Max. Continuous current per conductor @ 25 deg. C    | 2.5 | A      |
| Nom. Capacitance between conductors of a pair @ 1kHz | 46  | nF/km  |
| Nom. capacitance conductor to shield @ 1 kHz         | 80  | nF/km  |
| Nom. Conductor DC resistance @ 20 Deg. C             | 55  | Ohm/km |
| Nom. Shield DC resistance @ 20 Deg. C                | 17  | Ohm/km |
| Nom. Impedance @ 1 MHz                               | 100 | Ohm    |
| Nom. Attenuation                                     |     |        |

@772kHz 1.9 dB/100m @ 1 MHz 2.1dB/100m @ 4 MHz 4.3 dB/100m @ 10MHz 7.2 dB/100m @ 16 MHz 8.9 dB/100m @ 20 MHz 10.2 db/100m

## Physical characteristics

|                            |                                   |        |
|----------------------------|-----------------------------------|--------|
| Temperature rating         | -15 to +80                        | Deg. C |
| Insulation material        | Foam Flame retardant PE           |        |
| Jacket material (color)    | LSNH (White)                      |        |
| Type shield and % coverage | Aluminum polyester 100%           |        |
| Max. pulling tension       | 50                                | N      |
| Min. bend radius           | 80                                | mm     |
| Applicable specifications  | BS 7655 Section 6.1 Table 1 LTS 3 |        |
| Flame resistance           | IEC 332-1                         |        |

## Color code

White-Blue & Blue-White / White-orange & orange-White

## Application

Instrumentation and computer cables for Data transmission applications ( label contains Ce marking)