

Technical Document
Alternative to Belden 8205
1pair 20awg LSF Grey

webro

Part Number: 428205E

Description: Alt. to Belden 8205 1pair 20awg
Unscreened Low Smoke & Fume (LSF) Grey



Product Construction

| | | |
|-----------------------|---|--------------------------|
| Alternative to Belden | : | 8205 |
| Conductor Material | : | Tinned Copper |
| Conductor Stranding | : | 20awg; 7/0.32mm |
| Insulation Material | : | Polyvinyl Chloride (PVC) |
| Number of Pairs | : | 1 |
| Core Colours | : | Black, Red |
| Sheath Material | : | Low Smoke & Fume (LSF) |
| Sheath Colour | : | Grey |

Mechanical Characteristics

| | | |
|-------------------|-----------|-----------------------|
| Overall Diameter | : | 4.6mm ± 0.20mm |
| Temperature Range | Fixed : | -10°C to +70°C |
| | Flexing : | 0°C to +70°C |
| Bend Radius | : | 10 x Overall Diameter |
| Weight | : | 25 kg/km |

Electrical Characteristics

| | | |
|-------------------------------|---|--------------|
| Conductor DC Resistance @20°C | : | ≤ 37.6 Ω/km |
| Capacitance Core to Core | : | 80 pF/m ± 15 |
| Insulation Resistance @ 20°C | : | ≥ 200 MΩ *M |
| Voltage Rating | : | 300V |

Certifications & Standards

| | | |
|-------------------------|---|---------------------------------|
| Flame Retardancy | : | BS EN 60332-1-2 |
| RoHS 3 Compliant | : | Yes |
| REACH Compliant | : | Yes |
| UKCA CPR Classification | : | Eca to BS EN 50575:2014+A1:2016 |



Publication Date: 29/09/2023
Revision Number: 2.0
Written by: GB
Authorised by: GB

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