

LUTZE PROFIBUS (C) PVC, Shielded

Flexible PROFIBUS Cable with UL Approval



Application

- For the cabling of industrial field bus systems like PROFIBUS DP, F.I.P.
- With solid conductor AWG22/1 for hard wiring or with stranded conductor for flexible use and stationary application
- Automation technology, transport and conveyor technology, machine tool manufacturing

Characteristics

- High active and passive interference resistance (EMC)
- Talc and Silicone free

Technical data

| | |
|------------------------|--|
| Impedance | 150Ω ± 15Ω |
| Loop resistance | Solid 22/1 <110Ω/km Flexible 24/7 <175.2Ω/km |
| Operating capacitance | Nominal 30pF/m |
| Rated voltage | 300V CMX/CMG |
| Test voltage | 1,500V, 50Hz |
| Temperature range | Moving -10°C - +70°C Fixed -40°C - +80°C |
| Minimum bending radius | Moving 15 x cable OD Fixed 7.5 x cable OD |
| Burning behavior | Flame retardant per CMX: FT1 UL 1581, IEC 60332-1 CMG: FT4 UL 1685, IEC 60332-3-24 |
| Approvals | cULus CMX/CMG UL AWM RoHS REACH |

Construction

- AWG conductor
- Bare copper wire
- Conductor insulation special polyolefin
- Stranding with filler
- ST static foil shield
- Tinned copper braid shield, optical coverage ≥ 70 %
- Special thermoplastic on PVC basis
- Violet jacket RAL 4001

Specifications are subject to change without prior notice

| Part No. | Description No. of conductors | OD / Ø ca. mm | OD / Ø inches | Weight Lbs/Mft | Copper Lbs/Mft |
|----------|----------------------------------|------------------|------------------|-------------------|-------------------|
|----------|----------------------------------|------------------|------------------|-------------------|-------------------|

PROFIBUS, Solid UL/CMX/AWM 20601 300V

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|--------|-------------------------|-----|-------|----|----|
| 104378 | (1x2xAWG22/1) RD, GN | 8.0 | 0.315 | 40 | 20 |
|--------|-------------------------|-----|-------|----|----|

PROFIBUS, Flexible UL/CMG/AWM 21694 600V

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|--------|-------------------------|-----|-------|----|----|
| 104344 | (1x2xAWG24/7) RD, GN | 8.0 | 0.315 | 44 | 17 |
|--------|-------------------------|-----|-------|----|----|

PROFIBUS, Fast Connect UL/CMG/AWM 20201 600V

| | | | | | |
|--------|-------------------------|-----|-------|----|----|
| 104293 | (1x2xAWG22/1) RD, GN | 7.8 | 0.307 | 50 | 20 |
|--------|-------------------------|-----|-------|----|----|