



Product: [25P0.5HH](#) 

MachFlex™ LiHH (TP), 25 Pr 0.5mm² Str BC, PE Ins, LSZH Jkt

Product Description

MachFlex™ LiHH (TP), 25 Pair 0.5mm² Stranded Bare Copper, Polyethylene Insulation, LSZH Jacket

Technical Specifications

Product Overview

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|------------------------|---|
| Suitable Applications: | Applicable for occasional flexing or fixed installation connecting precision control sensors, pressure gauge, temperature controllers, control panels, vibration monitoring systems, intelligent security controllers, production machinery and many more in signal transmission accuracy required fields and confined space. |
|------------------------|---|

Construction Details

Conductor

| Element | Size | Stranding | Material |
|---------|---------------------|-----------|------------------|
| Pair(s) | 0.5 mm ² | Stranded | BC - Bare Copper |

Insulation

| Material | Color Code |
|-------------------|---|
| PE - Polyethylene | 1. White & Brown, 2. Green & Yellow, 3. Grey & Pink, 4. Red & Blue, 5. Black & Violet, 6. Gray/Pink & Red/Blue, 7. White/Green & Brown/Green, 8. White/Yellow & Yellow/Brown, 9. White/Gray & Gray/Brown, 10. White/Pink & Pink/Brown, 11. White/Blue & Brown/Blue, 12. White/Red & Brown/Red, 13. White/Black & Brown/Black, 14. Gray/Green & Yellow/Gray, 15. Pink/Green & Yellow/Pink, 16. Green/Blue & Yellow/Blue, 17. Green/Red & Yellow/Red, 18. Green/Black & Yellow/Black, 19. Gray/Blue & Pink/Blue, 20. Gray/Red & Pink/Red, 21. Gray/Black & Pink/Black, 22. Blue/Black & Red/Black, 23. Gray/Pink & Red/Blue, 24. White/Green & Brown/Green, 25. White/Yellow & Yellow/Brown |

Outer Jacket

| Material |
|---|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) |

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|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 18.4 mm (0.724 in) |
|-----------------------------------|--------------------|

Electrical Characteristics

Voltage

| Voltage Rating |
|--------------------------------|
| 500 V (Max. Operating Voltage) |

Mechanical Characteristics

Temperature

| Operating | Installation |
|-------------------------------------|-------------------------------------|
| -5°C to +70°C (Occasional movement) | -40°C to +80°C (Fixed installation) |

Bend Radius

| Stationary Min. | Installation Min. |
|------------------|---------------------|
| 276 mm (10.9 in) | 110.4 mm (4.346 in) |

| | |
|--------------------|----------------------------|
| Bulk Cable Weight: | 411 kg/km (276 lbs/1000ft) |
|--------------------|----------------------------|

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | UV Resistance |
| Flammability / Reaction to Fire: | IEC 60332-1-2, DIN VDE 0482-332-1-2, DIN EN 60332-1-2 |

| | |
|--------------------------------|--|
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2) |
| Other Standard Compliance(s): | VDE 0812 |

Product Notes

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| Notes: | Smoke/Halogen Properties : IEC 61034-2, IEC 60754-1, IEC 60754-2 |
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History

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|----------------------|---|
| Update and Revision: | Revision Number: 0.26 Revision Date: 01-15-2026 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Length |
|------------------|----------------|--------|
| 25P0.5HH 010100M | Black | 100 m |
| 25P0.5HH 010200M | Black | 200 m |
| 25P0.5HH 010300M | Black | 300 m |
| 25P0.5HH 006100M | Blue | 100 m |
| 25P0.5HH 006200M | Blue | 200 m |
| 25P0.5HH 006300M | Blue | 300 m |
| 25P0.5HH F2V100M | Gray, RAL 7032 | 100 m |
| 25P0.5HH F2V200M | Gray, RAL 7032 | 200 m |
| 25P0.5HH F2V300M | Gray, RAL 7032 | 300 m |

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