

# LOW PIM TEST ASSEMBLIES, 4.3-10 (male), 4.3-10 (male), 50 Ohm, 4 GHz, 3000mm

TL-P-11431X-11431X-03000-51

## Properties

- Applicable up to 4 GHz
- High flexible test lead for passive intermodulation (PIM)



| Product configuration         |                                                              |
|-------------------------------|--------------------------------------------------------------|
| Type of cable                 | TL-P                                                         |
| Type description connector A  | 11_4310-50-0-X1                                              |
| Series connector A            | 4.3-10, straight - plug                                      |
| Type description connector B  | 11_4310-50-0-X1                                              |
| Series connector B            | 4.3-10, straight - plug                                      |
| Armour                        | A-Armour black SF 103/104/126/TL-P, 85°C, ø10.2mm,PUR jacket |
| Length                        | 3000 mm                                                      |
| Length type                   | REF to REF                                                   |
| Electrical data               |                                                              |
| Impedance                     | 50 Ω                                                         |
| Max. operating frequency      | 4 GHz                                                        |
| Min. return loss              | 19 dB                                                        |
| VSWR max                      | 1.253                                                        |
| Max. insertion loss           | 3.05 dB                                                      |
| Passive intermodulation (IM3) | -160 dBc; 2x 20 W; at 1.8 GHz                                |
| Propagation velocity          | 71 %                                                         |
| CW Power at 40°               | 280 W at 4 GHz                                               |
| Mechanical data               |                                                              |
| Weight                        | 0.47 kg                                                      |
| Cable diameter                | 10.4 mm                                                      |
| Dynamic bending radius        | 110 mm                                                       |
| Environmental data            |                                                              |
| Operation temperature         | -15 °C ... 65 °C                                             |

**LOW PIM TEST ASSEMBLIES, 4.3-10 (male), 4.3-10 (male), 50 Ohm, 4 GHz, 3000mm**  
TL-P-11431X-11431X-03000-51

| Material compliance |                                   |                                 |                      |
|---------------------|-----------------------------------|---------------------------------|----------------------|
| Item number         | Directive / Regulation            | Rating                          | Exemptions / Details |
| 85068157            | RoHS 2011/65/EU and (EU) 2015/863 | Compliant with exemption        | 6c                   |
|                     | REACH 1907/2006 Article 33 SVHC   | Contains one or more SVHC >0,1% | CAS: 7439-92-1 Lead  |

| Comment                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Armoured, high flexible test cable for Passive Intermodulation (PIM) and Return Loss with straight male connectors 4.3-10(X) for frequencies up to 4 GHz. |

| Ordering information |                             |
|----------------------|-----------------------------|
| Item number          | Item description            |
| 85068157             | TL-P-11431X-11431X-03000-51 |

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/ EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.  
DOCUMENT PIM-P640 / Date of publication: 10.04.2025 / uncontrolled copy