

1. General Data

Moisture-proof, water-proof, non-corrosive.
 Metal parts silver-plated and passivated.
 Insulation: Teflon (P.T.F.E.) or polythene.
 Seals: natural rubber.
 Female contacts bronze.

The inner conductor of the cable acts as the centre contact pin for the male connector.

Impedance: 50 and 180 ohms.

which do not mate with each other.

Frequency Range: up to 10000 Mc/s.

Operating Voltage: 5 kV max.

Temperature Limit:
 with polythene insulator 160°F/70°C
 with Teflon insulator 480°F/250°C.

Cable-Entry Sizes: .410"....885" dia.
 (10,3...22,5 mm)

2. Suitable Cables

| Cable types Examples | Dielectric dia. inches | Screen dia. inches | Sheath max. dia. inches | Suitable types 'LC' connectors |
|--|---------------------------|-----------------------|----------------------------|-----------------------------------|
| RG-213/U | .285 (7,25 mm) | .319 (8,1 mm) | .425 (10,8 mm) | ... LC-50-7-... |
| RG-164/U RG-218/U RG-219/U 96 IEC-50-17-1 | .681 (17,3 mm) | .738 (18,5 mm) | .885 (22,5 mm) | ... LC-50-17-... |
| A17239/180 | .681 (17,3 mm) | .738 (18,5 mm) | .885 (22,5 mm) | ... LC-180-17-... |

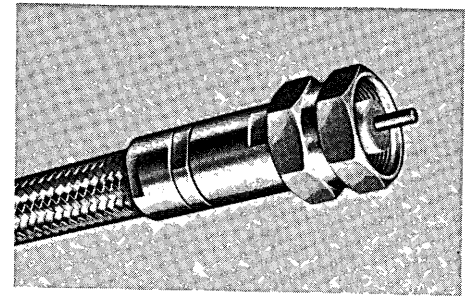
3. GK Armour-Clamp

The GK armour-clamp ensures a strong and functional fitting of 'LC' connectors to armoured cables.

The following GK-types are available:

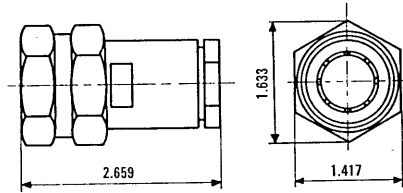
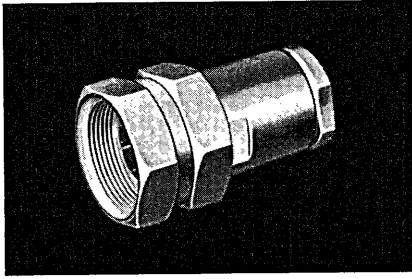
GK103 for armoured cable,
 dia. over sheath .405" (10,3 mm) (RG-215/U)

GK220 for armoured cable,
 dia. over sheath .866" (22,0 mm) (RG-219/U)



11LC-50-17-1 with GK 220
 fitted to cable RG-219/U

Plug 50 Ω

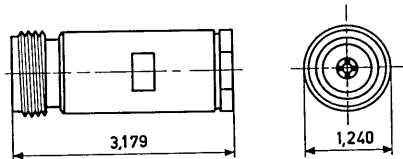
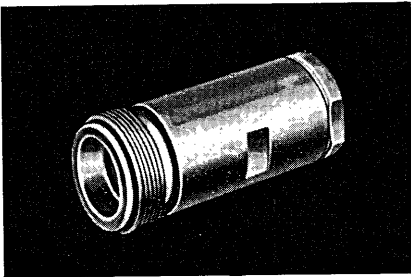


| Suhner Type | US-MIL-Type | NATO Type equivalent | Insulator material | cable | | | | assembly instruction number | notes |
|--------------|-------------|----------------------|--------------------|--------------|--------------------|--------|-----------------|-----------------------------|--|
| | | | | dia. max. in | dielectric dia. in | screen | example | | |
| 11LC-50-7-1 | | | Teflon | .425 | .285 | 1 | RG-213/U | | V-groove gasket |
| 11LC-50-17-1 | UG-154/U | 5935-99-972-9032 | | .885 | .453 | 1 | RG-218/U (50 Ω) | 3030 | |
| 11LC-50-17-2 | | | Teflon | .885 | .453 | 1 | RG-164/U (75 Ω) | 3030 | ferrule to be soldered on inner conductor of cable |

Plug 180 Ω

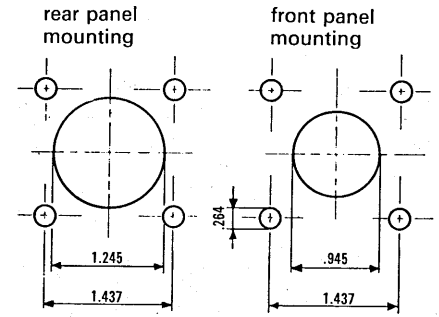
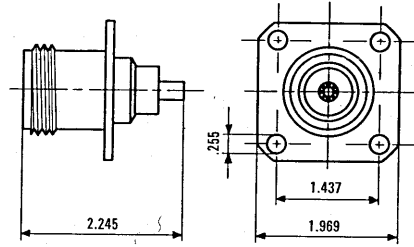
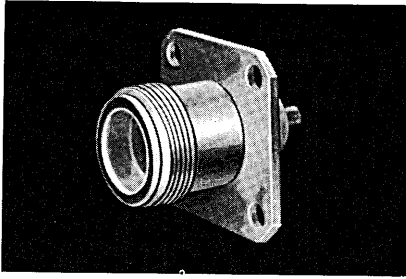
| Suhner Type | US-MIL-Type | NATO Type equivalent | Insulator material | cable | | | | assembly instruction number | notes |
|----------------|-------------|----------------------|--------------------|--------------|--------------------|--------|-------------|-----------------------------|-------------------|
| | | | | dia. max. in | dielectric dia. in | screen | example | | |
| 11LC-180-17-1C | | | Teflon | .885 | .453 | 1 | A 17239/180 | | for beaded cables |

Jack 50 Ω



| Suhner Type | US-MIL-Type | NATO Type equivalent | Insulator material | cable | | | | assembly instruction number | notes |
|---------------|-------------|----------------------|--------------------|--------------|--------------------|--------|----------|-----------------------------|-------|
| | | | | dia. max. in | dielectric dia. in | screen | example | | |
| 21LC-50-17-1C | | | Polyethylene | .885 | .453 | 1 | RG-218/U | 3031 | |

Panel Receptacle 50 Ω

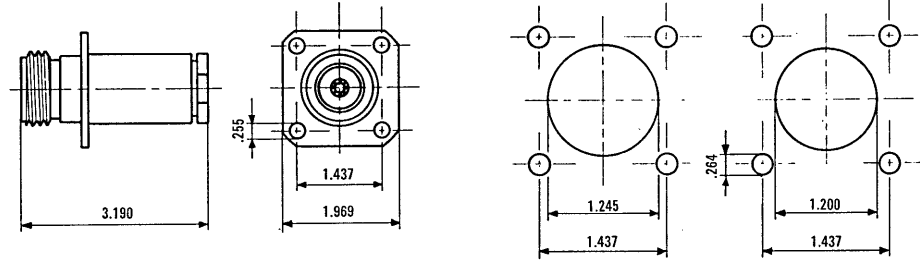
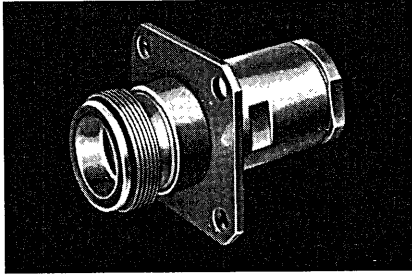


| Suhner Type | US-MIL-Type | NATO Type equivalent | Insulator material | cable | | | | assembly instruction number | notes |
|-------------|-------------|----------------------|--------------------|--------------|--------------------|--------|---------|-----------------------------|------------------------------|
| | | | | dia. max. in | dielectric dia. in | screen | example | | |
| 23LC-50-0-1 | UG-352/U | | Teflon | | | | | | 4 clearance holes dia. .256" |

Panel Receptacle 180 Ω

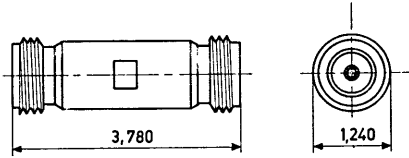
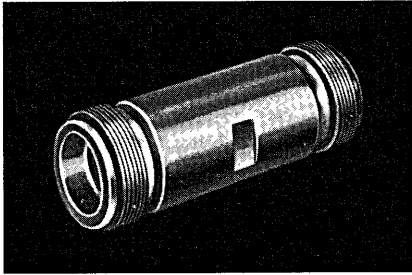
| Suhner Type | US-MIL-Type | NATO Type equivalent | Insulator material | cable | | | | assembly instruction number | notes |
|--------------|-------------|----------------------|--------------------|--------------|--------------------|--------|---------|-----------------------------|------------------------------|
| | | | | dia. max. in | dielectric dia. in | screen | example | | |
| 23LC-180-0-1 | | | Teflon | | | | | | 4 clearance holes dia. .256" |

Panel Jack 50 Ω



| Suhner Type | US-MIL-Type | NATO Type equivalent | Insulator material | cable | | | | assembly instruction number | notes |
|---------------|-------------|----------------------|--------------------|--------------|--------------------|--------|----------|-----------------------------|------------------------------|
| | | | | dia. max. in | dielectric dia. in | screen | example | | |
| 25LC-50-17-1C | | | Polyethylene | .885 | .453 | 1 | RG-218/U | 3031 | 4 clearance holes dia. .256" |

Straight Adapter 50 Ω



| Suhner Type | US-MIL-Type | NATO Type equivalent | Insulator material | cable | | | | assembly instruction number | notes |
|-------------|-------------|----------------------|--------------------|--------------|--------------------|--------|---------|-----------------------------|------------------------------|
| | | | | dia. max. in | dielectric dia. in | screen | example | | |
| 31LC-50-0-1 | UG-155/U | | Polyethylene | | | | | | female |
| 37LC-50-0-1 | UG-287/U | | Polyethylene | | | | | | with flange as 25LC-50-17-1C |

Further types on request