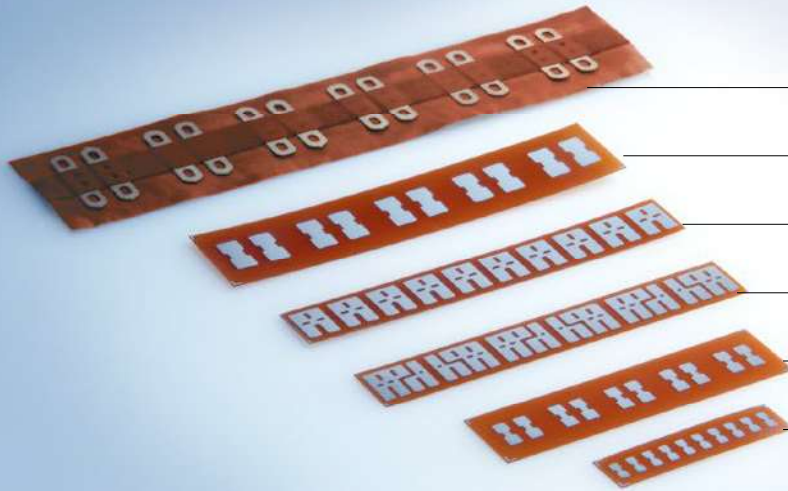


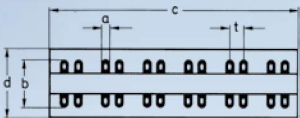
Solder terminals



For strain gauges with leads or wires, solder terminals should be installed between the connection cables and the strain gauge itself. This will facilitate the execution of a perfect solder joint and provide strain relief for the SG connections. The solder terminals are installed in the same way on the measurement object as on the SG and all HBM adhesives can be used. HBM offers solder terminals in various versions and dimensions.

LS2

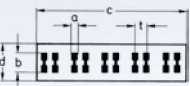
Bronze soldering tags on polyimide carrier suitable for dynamic stress
Bonding on measurement object: Bonding
Can be used from -200°C up to 180°C, briefly up to 260°C



Product number	Dimensions (mm)				Spacing	Contents per package
	Solder tag		Carrier			
Steel	a	b	c	d	t	
1-LS 2	2.6	13.5	72	20	4	36 pairs (6 strips)

LS7/5/4

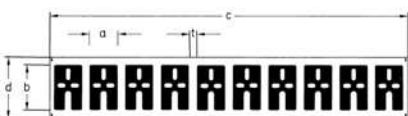
Nickel-plated copper on polyimide
Bonding on measurement object: Bonding
Can be used from -200°C up to 180°C, briefly up to 260°C



Product number	Dimensions (mm)				Spacing	Contents per package
	Solder tag		Carrier			
Steel	a	b	c	d	t	
1-LS 7	1	3	21	6	2	125 pairs
1-LS 5	1.5	4.5	35	10	2.5	125 pairs
1-LS 4	2.5	6.5	50.1	13	4	125 pairs (25 strips each)

LS212

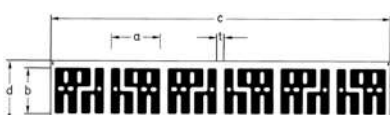
Nickel-plated copper on polyimide
Bonding on measurement object: Bonding
Can be used from -200°C up to 180°C, briefly up to 260°C



Product number	Dimensions (mm)				Spacing	Contents per package
	Solder tag		Carrier			
Steel	a	b	c	d	t	
1-LS 212	3.7	6	47.5	8	1	125 pairs (25 strips)

LS224

Nickel-plated copper on polyimide
Bonding on measurement object: Bonding
Can be used from -200°C up to 180°C, briefly up to 260°C



Product number	Dimensions (mm)				Spacing	Contents per package
	Solder tag		Carrier			
Steel	a	b	c	d	t	
1-LS 224	6.5	6	45	8	1	150 pairs (25 strips)

Cables and stranded wires

PVC ribbon cable

PVC insulated ribbon cable, consisting of six wires with a cross-section of 0.14 mm², 50 m per reel, resistance 0.131 Ω/m.
Ordering number: 1-3133.0034

Paint-insulated copper wire

Polyurethane-insulated copper wire with a cross-section of 0.04 mm², 25 m long.
Ordering number: 1-CULD01



PVC ribbon cable and paint-insulated copper wire

Jumper wire

Fluoropolymer-insulated jumper wire with a cross-section of 0.05 mm², yellow, 100 m per reel, resistance 0.34 Ω/m.
Ordering number: 1-3130.0239-G



Jumper wire and very flexible stranded wire

Very flexible stranded wire

for internal, exposed wiring of transducers;
cross-section 0.04 mm² (multi-wire), 0.6 mm outside diameter,
resistance 0.417 Ω/m, permissible temperature +70 °C, 25 m per reel, PVC insulation.
Ordering number: 1-SLI 01

Flexible stranded wire

Fluoropolymer-insulated flexible stranded wire with a cross-section of 0.24 mm² (multi-wire), outside diameter of 0.9 mm, 100 m per reel, resistance 0.0741 Ω/m.

blue Ordering no.: 1-3301.0092-B
green Ordering number: 1-3301.0091-GR
white Ordering number: 1-3301.0094-W
black Ordering number: 1-3301.0088-S
red Ordering number: 1-3301.0089-R



Flexible stranded wire, available in colors Blue, Green, White, Black and Red

Name	Insulation	Thermal resistance	Chemical resistance	Typ. application
Flexible stranded wire 1-3301.0088-S 1-3301.0089-R 1-3301.0091-GR 1-3301.0092-B 1-3301.0094-W	Fluoropolymer	-200 ... +260 °C	not resistant against: elementary fluorine, chlorotrifluoride, molten alkaline metals. Otherwise resistant against all chemicals	For internal connection of SG bridge circuits for contacting from SG to solder terminal
Jumper wire 1-3130.0239-G	Fluoropolymer	-200 ... +260 °C	see flexible stranded wire	see jumper wire
Very flexible stranded wire 1-SLI 01	PVC	briefly 105 °C continuously ... 70 °C	not resistant against: Esters, chlorinated hydrocarbons, ketones, aromatics, benzene, liquid halogens, conc. nitric acid, depending on the plasticizer also aqueous solutions	For internal connection of SG in transducer
PVC ribbon cable 1-3133.0034	PVC	briefly 105 °C	see Very flexible stranded wire continuously ... 90 °C	see Flexible stranded wire
Paint-insulated copper wire 1-CULD 01	Polyurethane	briefly 175 °C continuously -40 ... 155 °C	not resistant against: strong acids, strong alkalis, alcohols, aromatics, saturated vapor, hot water	For internal connection of SG in transducer