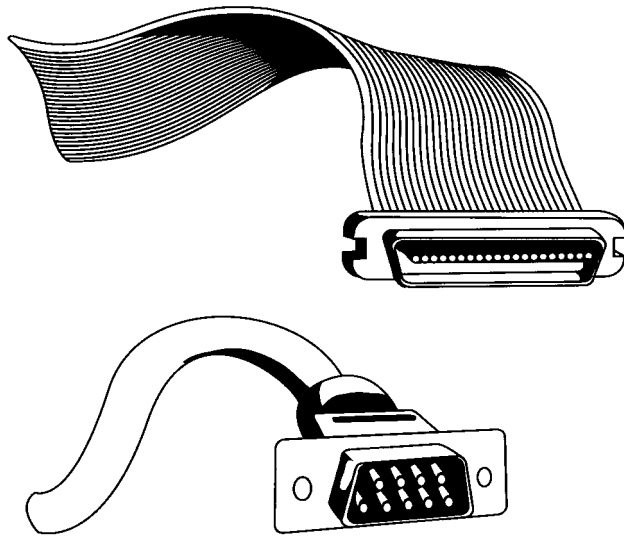


Measuring, Data and Control Cables



- Precisely tuned to devices
- Screened against electrical interference fields
- Perfectly isolated
- Hardly inflammable

Application

- Cables interconnecting the electronic scale components have a decisive influence on reliability and availability of these components.
- The use of interconnection cables must not reduce the electromagnetic compatibility (EMC) of single devices. Device protection has to be retained on cable inlets as well.

Construction

- The load cell, data and control cables selected here are tuned to the weighing components:

Screening and stranding in pairs protect cables from electromagnetic interference and electrical disturbances.

Function

- The cables are designed in accordance with international safety standards, especially with respect to hazardous area applications. In addition, they are hardly inflammable and non-ageing.
- Defined outer diameters and ageing stability ensure a high degree of protection and tight sealing of cable inlets.
- The cables ensure stable and accurate signal transmission even over great distances.
- High insulation resistance and 6-conductor technology provide long-term accuracy.

Technical Data

Cable (Cores x Cross Section)	Application	Outer Diameter [mm]	Weight per 100 m [kg]	Ordering Number
Measuring cable 4 x 2 x 0.5 mm ² , shielded in pairs and totally shielded	Standard measuring cable for connection of load cells for discontinuous weighing systems (DISOMAT) Temperature range: moved -5 - +80°C rigid installation -10 - +80°C	11,7	17	3849.810
Measuring and sensor cable 5 x 2 x 0.5 mm ²	Standard measuring cable for connection of load cells for continuous weighing systems. In addition, a speed sensor can be connected.	12	20	3849.059
Measuring cable 7 x 0.5 mm ² , screened	Measuring cable for trailing cable installation and energy chains min. 80 mm bending radius Ozone- and UV-resistant For use in energy chains: max. trailing distance 20m max. trailing speed 10 m/sec Temperature range: moved -25 - +80°C at rest -40 - +80°C	10,7	16	V063682. B01
Measuring cable 7 x 0.5 mm ² , screened	Strain-relieved measuring cable for cable drum, tensile strength 300N Temperature range: moved -25 - +80°C at rest -40 - +80°C	9,8	15,8	3849.711
Measuring cable 4 x 2 x 0.5 mm ² , screened	Silicone cable for ambient temperatures of up to 200 °C and fixed installation. (Supply only in sections of max. 100 m length.)	8	11	3813.016
Measuring cable 4 x 2 x 0.5 mm ² , shielded in pairs and totally shielded	Blue, for intrinsically safe connection of (Ex)i load cells used in hazardous areas. Temperature range: moved -5 - +80°C rigid installation -10 - +80°C	11,7	17	3849.809
Measuring and data cable 4 x 2 x 0.2 mm ² , shielded in pairs and totally shielded	Connection of DISOMAT DT display and control terminal to the DISOMAT weighing electronics. Also suitable for load-cell connection Temperature range: moved -5 - +70°C rigid installation -20 - +70°C	8	7.5	3849.009
Measuring and data cable 3 x 2 x 0.23 mm ² , screened	Universal data or fieldbus cable for medium-speed bus systems; CAN, Profibus to 0.5 Mbit/s, or other serial connections. Also suitable for load-cell connection (length max. 100 m).	6.8	5.7	3849.306
Fieldbus cable for DeviceNet and Local Bus 2 x 0.33 mm ² + 2 x 0.2 mm ² , screened	Special cable for DeviceNet fieldbus and Local Bus with DISOCONT (thin cable)	7		3849.074
Fieldbus cable for Profibus 2 x 0.64 mm ² , screened	Special cable for Profibus-DP up to 12 Mbit/s	7.7	2.5	3849.219
Data cable, 2 x 2 x 0.14 mm ² , screened	Universal data cable for serial connection of displays and printers	6	3.8	3849.420
Control cable 4 x 0.22 mm ² , screened	Connection of binary inputs and outputs	4	2.8	3849.415
Control cable 12 x 0.22 mm ² , screened	Connection of binary inputs and outputs	9	10.6	3849.010
Control cable 14 x 0.25 mm ² , screened	Connection of binary inputs and outputs, e.g. for connection to VLG	8	6.5	3849.073