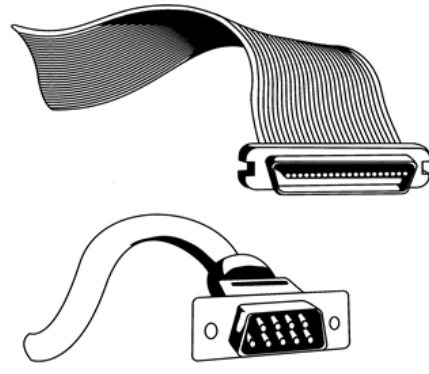


Measuring, Data and Control Cables

- **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:
Shielding 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 1 x 2 x 0.5 mm ² + 2 x 2 x 0.25 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 °C ... +70 °C rigid installation -20 °C ... +70 °C	9	11.3	Standard gray V085231.B01 Blue, for intrinsically safe circuits V087819.B01 Gray, with additional stainless steel mesh as rodent protection and another outer coat over the top.V085231.B11
		12	21.2	
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, two proximity sensors can be connected.	12	20	Standard gray 3849.059
Measuring and sensor cable 3 x 2 x 0.5 mm ² + 2 x 2 x 0.23 mm ²	Temperature range: moved -10 °C ... +70 °C rigid installation -40 °C ... +70 °C Shielded in pairs and totally shielded	12,7	20	Blue, for intrinsically safe circuits V701232.B01
Measuring cable 7 x 0.5 mm ² , shielded	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 20 m max. trailing speed 10 m/s Temperature range: moved -25 °C ... +80 °C at rest -40 °C ... +90 °C	10.7	16	V063682.B01
Measuring cable 7 x 0.5 mm ² , shielded	Strain-relieved measuring cable for cable drum, tensile strength 300 N Temperature range: moved -25 °C ... +80 °C at rest -40 °C ... +80 °C	9.8	15.8	3849.711
Measuring cable 4 x 2 x 0.5 mm ² , shielded	Silicone cable for ambient temperatures -40 °C ... +180 °C and fixed installation. (Supply only in lengths of 50 m and 100 m)	9.3	14	V080372.B01 (50 m) V080372.B02 (100 m)
Measuring and data cable 4 x 2 x 0.23 mm ² , shielded in pairs and totally shielded	Universal data cable for serial connection of displays, printers, ... e. g. the VOP operator panel. Temperature range: moved -5 °C ... +70 °C rigid installation -20 °C ... +70 °C	8	7.5	3849.009
Measuring and data cable 3 x 2 x 0.23 mm ² , shielded	Universal data or fieldbus cable for medium-speed bus systems; DeviceNet, 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 , shielded	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 , shielded	Special cable for PROFIBUS DP up to 12 MBit/s	7.7	2.5	3849.219
Cat-5 Ethernet cable 2 x 2 x AWG 22/7	High-quality network cable, e.g. for laying PROFINET and other networks. Round, so particularly suited for sealing cable glands.	6.5	6.3	V668008.B01
Data cable, 2 x 2 x 0.14 mm ² , shielded	Universal data cable for serial connection of displays and printers	6	3.8	3849.420
Control cable 12 x 0.22 mm ² , shielded	Connection of binary inputs and outputs	9	10.6	3849.010
Control cable 14 x 0.25 mm ² , shielded	Connection of binary inputs and outputs, e. g. for connection to VLG	8	6.5	3849.073

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