

# Colors and Design of the field-cables



<b>orange</b> RAL 2003		<b>Power cable:</b> e.g. servo drives, frequency controlled drives application specific design	
<b>green</b> RAL 6018		<b>Measurement cable:</b> e.g. measuring systems, analogue sensors application specific and case specific design	
<b>magenta</b> RAL 4001		<b>Hybrid-fieldbus cable:</b> e.g. fieldbus systems 2 x optical fibres and 4 x 1.5/2.5 mm <sup>2</sup> copper wires	Fibre optic: fieldbus Cu1: +24 V Cu2: 0 V to PIN1 Cu3: 0 V to PIN4 Cu4: +24 V switched
<b>yellow</b> RAL 1021		<b>Actuator-sensor cable:</b> e.g. proximity switches, valves 4 x 0.34 mm <sup>2</sup> , prefabricated with two M12 connectors, without LED	1: 24 V 2: signal (digital input) 3: 0 V 4: signal (analogue input or digital output)
<b>black</b> RAL 9005		<b>Power cable:</b> e.g. three-phase AC motors 5 x 1,5 mm <sup>2</sup> or case specific design	
<b>grey</b> RAL 7040		<b>Control cable:</b> 24 V technology, e.g. control voltage, power supply multiwire, case specific design	

The wiring has to be resistant against cooling lubricants used in industrial applications.