Technical Data Sheet

COW00T10

Measuring Cable

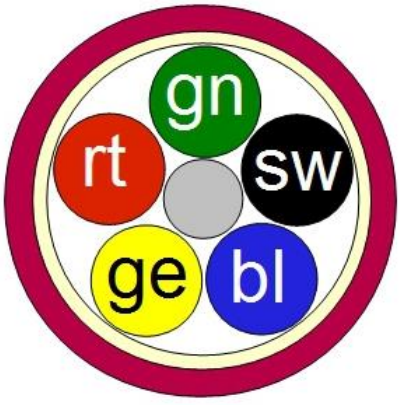
Properties
- Temperature resistance up to 180 °C
- Shield cover > 90 %
- Rugged outer shell

Application
- General measurement
- Fatigue

Description

Due to the robustness with small cable diameter, this cable is preferably used for operational stability in the vehicle. The outer sheath made of FEP is extremely stable against mechanical stress. The shield under the outer sheath has optical coverage > 90 % and thus reliably prevents external interference from interference fields.

Cable configuration



5-pin cable

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Technical Data Sheet

COW00T10

Technical specification

	Unit	Value	Comment
Cable cross-section	AWG	30	~0.05 mm²
Specific resistivity	Ω/km	385	Approximately
Shielding (optical coverage)	%	> 90	
Supply voltage	V	25	
Test voltage	V	600	
Minimum bending radius			
fixed installation		5 x d	
free movable		10 x d	
Temperature range			
fixed installation	°C	-90...+180	
free movable	°C	-55...+180	
Cover color		Red	Similar RAL 3000
Outer sheath		FEP	
Number of single wires			
COW00T10	–	5	
Outside diameter			
wire isolation	mm	0.85	Approximately
COW00T10	mm	2.3	Approximately

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Technical Data Sheet

COW00x10

Measuring Cable

Properties
- Minimum microphonic effect
- Shield cover > 90 %
- Very flexible
- Rugged outer shell

Application
- General test and measurement
- Fatigue
- Vehicle crash

Description

Due to the specially optimized cable design for minimal microphonic effect, this cable can also preferably be used in the crash area. Shocks and whiplashes only produce minimal interference signals. The grip characteristics and the flexibility of the cable sheath enable easy handling with high robustness against mechanical influences. The outer sheath made of thermoplastic is roughened and has a Shore hardness of 85 SH-A. The shield under the outer sheath has optical coverage > 90 % and thus reliably prevents external interference from interference fields.

Cable configuration

5-pin cable

7-pin cable

16-pin cable

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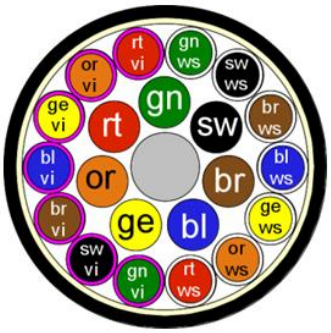
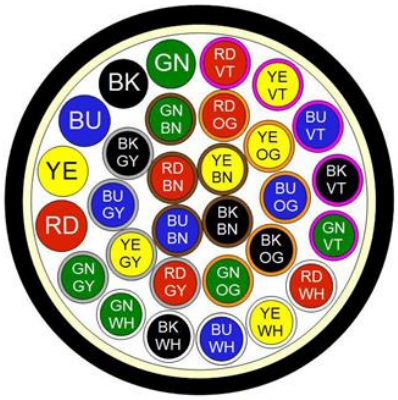


21-pin cable



30-pin cable

Technical specification

	Unit	Value	Comment
Cable cross-section	AWG	30	~0.05 mm²
Specific resistivity	Ω/km	385	Approximately
Shielding (optical coverage)	%	> 90	
Supply voltage	V	15	
Test voltage	V	500	
Minimum bending radius			
fixed installation		5 x d	
free movable		10 x d	
Temperature range			
fixed installation	°C	-50...+85	
free movable	°C	-40...+80	
Cover color		Black	Conform RAL 9005
Shore hardness	SH-A	85	
Number of single wires			
COW00E10	–	5	
COW00B10	–	7	
COW00C10	–	16	
COW00D10	–	21	
COW00J10	–	30	
Outside diameter			
wire isolation	mm	0.54	Approximate
COW00E10	mm	2.3	Approximate
COW00B10	mm	2.9	Approximate
COW00C10	mm	3.8	Approximate
COW00D10	mm	4.3	Approximate
COW00J10	mm	5.0	Approximate

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