


Specification

Ecological cable for
CC-Link Ver.1.10
Type:EM110SBH

MITSUBISHI ELECTRIC
SYSTEM & SERVICE CO., LTD.

Note

Revision				Drawn	Check	Design	Approved
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				Order			

1. SCOPE

This is specification which ecological cable for CC-Link Ver.1.10.

• EM110SBH

* The products described in this specification comply with the European RoHS2 directive.

2. SPECIFICATIONS

Item		Unit	Specification
Number of insulated core wires		—	3
Conductor	Material	—	Annealed copper stranded wire for electricity
	Conductor size	AWG	20
	Outer diameter	mm	Approx.0.96
Insulation	Material	—	Polyethylene foamed
	Outer diameter	mm	Approx.2.36
Filler	Material	—	Polyethylene string
Stranding	Construction	—	See the structural drawing
Tape	Material	—	Aluminum-polyester laminated
Shield	Material	—	Tin coated annealed copper braid
Grounding wire	Material	—	Tin coated annealed copper (Insert non-stranded wire vertically)
Sheath	Material	—	Flame resistant polyethylene (Brown)
Overall diameter		mm	Approx.7.6
Approximate weight		kg/km	70
Electrical characteristics			
Conductor resistance (at20℃)		Ω/km	Under 34.5
Insulation resistance		MΩ・km	Over 10000
Withstand voltage		V for 1 minute	AC 2000
Characteristic impedance	1MHz	Ω	110±15
	5MHz	Ω	110±6
Operating temperature range		℃	-15 to 75 (To be free from condensation)
Allowable tensile force		N	49
Minimum bending radius		mm	35

3. STRUCTURAL DRAWING

