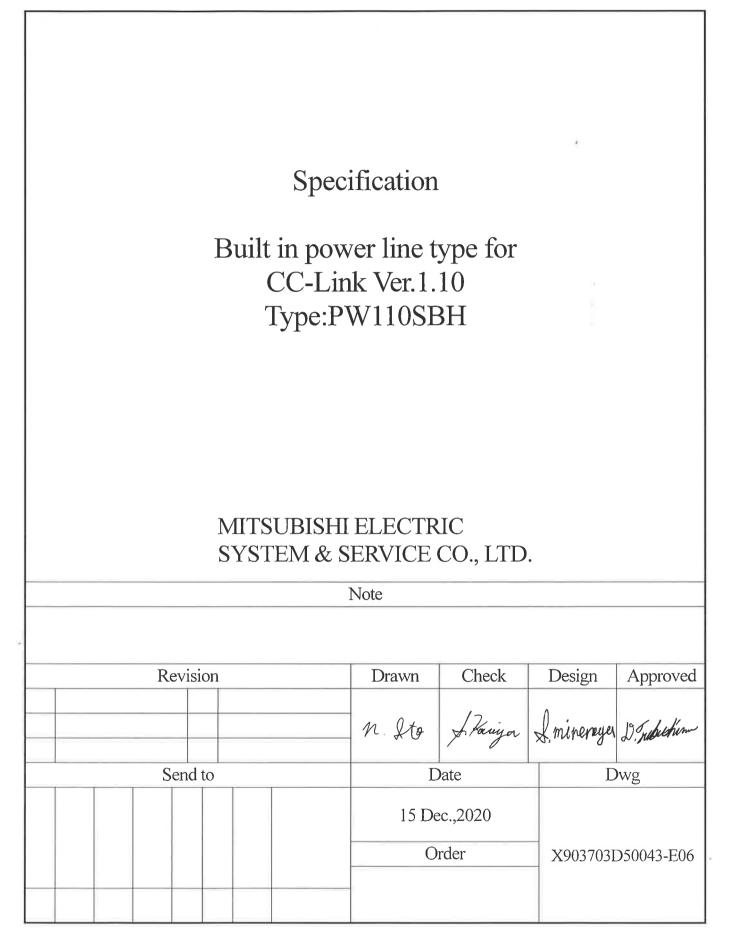
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1. SCOPE

This is specification which built in power line type for CC-Link Ver.1.10. • PW110SBH

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

2. APPLICABLE STANDARDS

UL 758 (AWM STYLE 2464) CSA C22.2 No.210 (AWM) TR-CU

3. SPECIFICATIONS

Item		Unit	Communication line	Power line
Number of insulated core		_	3	2
Conductor	Material	_	Annealed copper stranded wire for electricity	Annealed copper collective wire for electricity
	Conductor size	—	20AWG	0.75 mm(19AWG)
	Outer diameter	mm	Approx.0.96	Approx.1.1
	Material	—	Polyethylene foamed	Polyvinyl chloride
Insulation	Outer diameter	mm	Approx.2.36	Approx.2.3
Filler	Material		Polyethylene string	/
Stranding	Construction	_	See the structural drawing	
Таре	Material	_	Aluminum-polyester laminated	
Shield	Material	_	Tin coated annealed copper braid	
Grounding wire	Material	_	Tin coated annealed copper(Insert non- stranded wire vertically)	
Inner Sheath	Material	_	polyvinyl chloride (Brown)	
	Outer diameter	mm	Approx.7.6	
Stranding	Construction		See the structural drawing	
Filler	Material	—	Blended yarn	
Tape	Material		Paper	
Sheath	Material		Oil resistant polyvinyl chloride(Brown)	
Overall diameter		mm	Approx.12.0	
Approximate weight		kg/km	145	
Electrical characteristics			XX 1 0/7	XX 1 05
Conductor resistance (at20°C)		Ω/km	Under 34.5	Under 25.1
Insulation resistance		MΩ•km	Over 10000	Over 10(at20°C)
Withstand voltage		V for 1 minute	AC 2000	
Characteristic		Ω	110±15	
impedance	5MHz	Ω	110±6	
Allowable	at30°C	A		8
current(*1)	at50°C at70°C			6 2.6
Operating temperature range		°C	-15 to 75 (To be free from condensation)	
Allowable tensile force		N	98	
Minimum be	nding radius	mm	50	

*1. Current value when laying one row in the air (when heat is sufficiently dissipated)

4. STRUCTURAL DRAWING

