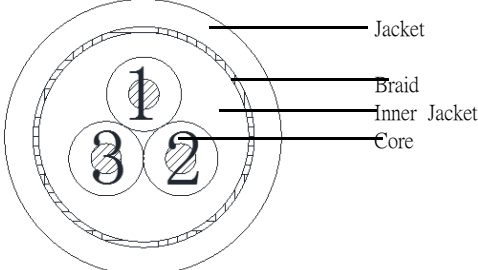


Product Specification

Part No.:
3CX0.5SQ PVC Jacket Cable

Cross Section



Marking

BELDEN E357312-S 3C0.5SQMM SHIELDED  AWM STYLE 2517 105C 300V
VW-1 - - - c  AWM I/II A/B 105C 300V FT1 ROHS

Description	
Rated Voltage (V)	300
Rated Temperature (°C)	Fixed -30~105
Flame Test:	VW-1

Application
For general purpose control cable

Reference Standard
UL758, UL1581 & CSA C22.2 No.210

Construction	
3Cores	
Conductor	Stranded Bare copper
Cross Section(mm ²)	0.50
Construction (mm)	16/0.2
Stranded Dia. (mm)	0.92
Insulation	PVC
Min. Thickness (mm)	0.33
Nom. Thickness (mm)	0.44
Insulation Dia. (±0.08mm)	1.80
Assembly	3C
Direction	S
Inner Jacket	PVC
Min. Thickness (mm)	0.38
Nom. Thickness (mm)	0.50
Dia. (±0.20mm)	5.30
Shield	Tinned Copper
Coverage(%)	≥85%
Jacket	PVC
Min. Thickness (mm)	0.61
Nom. Thickness (mm)	0.80
Dia. (±0.25mm)	7.60

Color	
Insulation	1~3.Blue Marking number 1,2,3
Inner-jacket	gray
Jacket	Per request

Performance	
Electrical Characteristics:	
Max. Conductor DC Resistance at 20°C (ohms/km)	39.0
Dielectric Strength AC (kV/1min)	4.0

Mechanical Characteristics:			
Test Object		Insulation	Jacket
Test Material		PVC	PVC
Before	Tensile Strength (Mpa)	≥ 10.3	≥ 10.3
Aging	Elongation (%)	≥ 100	≥ 100
Aging Condition		136±2°C X 168 hrs	
After	Tensile Strength (Mpa)	≥ 70% of original	≥ 70% of original
Aging	Elongation (%)	≥ 65% of original	≥ 65% of original
Minimum Bending radius		Flexing	20XOD
		Fixed	10XOD

Sample Record	
Sample No. :	
Original spec no.:SZ-B2517-1021	Rev.: 1
Ref. spec No. :	Rev.:

Revision History	

Prepared by:	ADISON	12-Jun-16	Table No.:T100	Rev.: 0
Approved by:	CICICHENG	12-Jun-16		Page 1 of 1