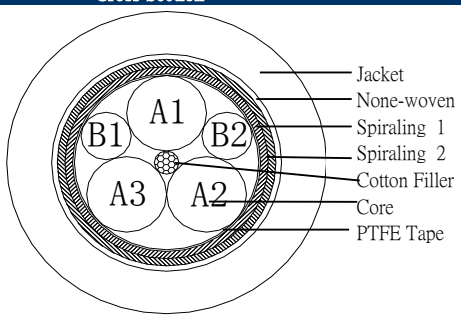
Product Specification

Part No.:

Style 20549 Multiple-conductor cable using non-integral jacket

Cross Section



Marking

BELDEN E357312-S AWM STYLE 20549 80C 300V FT2 ROHS

Description

Rating Voltage (V)	300
Rating Temperature (℃)	80
Flame test	FT2

Application

Internal wiring of electronic equipment and appliances

Reference Standard

UL758, UL1581 & CSA C22.2 No. 210.2

Construction

5C	3C	2C
Conductor	Stranded Bare Copper	
AWG	24	32
Structure(mm)	19/0.12	7/0.08
Conductor Dia.(mm)	0.60	0.24
Insulation	HDPE	HDPE
Min Thickness(mm)	0.18	0.18
Normal Thickness (mm)	0.21	0.21
Insulation Dia (mm)	1.06±0.08	0.66±0.06
Cabling	3C+2C	
Lay lengh(mm)	16+/-5	
PTFE Tape (overlapping)	≧25%	
Spiraling 1	Tinned Copper	
Lay lengh(mm)	36+/-5	
Coverage(%)	≧90%	
Spiraling 2	Tinned Copper	
Lay lengh(mm)	36+/-5	
Coverage(%)	≧90%	
None-woven (overlapping)	≧25%	
Jacket	PU	
Min Thickness(mm)	0.31	
Normal Thickness(mm)	0.38	
Diameter (±0.2mm)	4.30	

Color

Insulation

A:1.White 2.Black 3.Red B:1.Yellow 2.Green

Jacket

Per request

Performance

Electrical Charactistics(20℃)

Max Conductor DC Resistance (Ω/km)	A.94.2 B.600
Min. bending Radius(static)	5XOD
Min. bending Radius during flexing(operation)	8XOD

Mechanical Characteristics:

Test Object		**Jacket**
Test Material		PU
Before Aging	Tensile Strength (Mpa)	≧10.3
	Elongation (%)	≧100
Aging Condition (℃)		113±2℃ X 168 hrs
After Aging	Tensile Strength (Mpa)	≧70% of original
	Elongation (%)	≧65% of original

Sample Record

Sample No. :

Original spec no. SZ-B20549-381 Rev.: 4

Ref. spec No. : Rev.:

Revision History

Prepared by:	MYQ	2017/10/26	Table No.:T100	Rev.: 0
Approved by:	CICICHENG	2017/10/26		Page 1 of 1

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