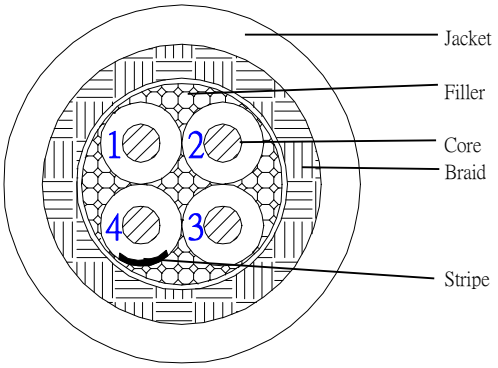
Product Specification

Part No.:

Style 21098 Multiconductor Cable with Extruded Non-Integral Jacket

Cross Section



Marking

BELDEN E357312-S 4C2.5SQMM SHIELDED AWM STYLE 21098 90C 600V VW-1 - - - c AWM I/II A/B 90C 600V FT1 ROHS

Description

Rated Voltage (V)	600
Rated Temperature (°C)	90
Flame test	VW-1

Application

For communication and signal control systems

Reference Standard

UL758, UL1581 & CSA C22.2 No.210.2

Construction

4C

Conductor	**Stranded Bare Copper**
SIZE(mm^2)	2.5
Construction	47/0.25
Dia. (mm)	1.98
Insulation	**PVC**
Min. Thickness (mm)	0.38
Nom. Thickness (mm)	0.50
Insulation Dia. (±0.1mm)	2.98
Assembly	**4C+Filler**
Direction	S
ALT(Coverage(%)	100%
Braid	**Tinned Copper**
Coverage(%)	≧85%
Jacket	**PVC**
Min. Thickness (mm)	0.61
Nom. Thickness (mm)	0.76
Dia. (±0.30mm)	9.40

Color

Insulation:

1~3.black 4.yellow/green

Jacket:

Per request

Performance

Electrical Characteristics:

Max. Conductor DC Resistance at 20℃ (Ω/km)	7.98
Dielectric Strength(KV/min)	2

Mechanical Characteristics:

Test Object		Insulation	Jacket
Test Material		PVC	PVC
Before Aging	Tensile Strength (Mpa)	≧10.3	≧10.3
	Elongation (%)	≧100	≧100
Aging Condition (℃)		121±2℃ X 168 hrs	
After Aging	Tensile Strength (Mpa)	≧70% of original	≧70% of original
	Elongation (%)	≧65% of original	≧65% of original

Oil resistant condition		80℃X1440Hr
After Aging	Tensile Strength (Mpa)	≧65% of original
	Elongation (%)	≧65% of original

Bending Radius	20 x OD (Occasional movement)
	6 x OD (Fixed installation)

Sample Record

Sample No. :

Original spec no.: SZ-B21098-036 Rev.: 0

Ref. spec No. :

Revision History

Prepared by:	MYQ	2018/4/13	Table No.:T100	Rev.: 0
Approved by:	CICICHENG	2018/4/13		Page 1 of 1

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