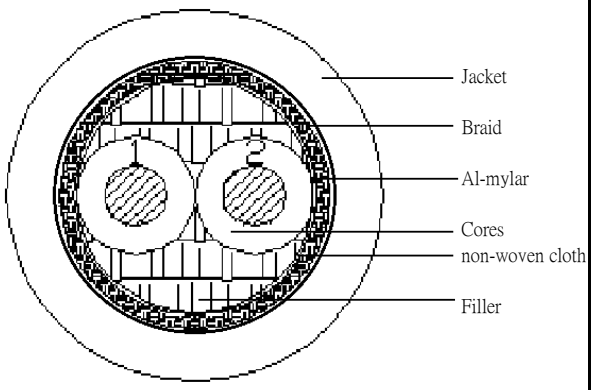
Product Specification

BELDEN
SENDING ALL THE RIGHT SIGNALS®

Part No.:B20549649

UL Style 20549 jacketed Cable

Cross Section



Marking

BELDEN E357312-S 2C22 SHIELDED ℞ STYLE 20549
80C 300V - - - c ℞ AWM I A/B 80C 300V FT2 ROHS

Description

Rated Voltage (V)	300
Rated Temperature (°C)	80
Product Standard Certification	UL
Flammability Test	FT2

Application

For internal wiring interconnection of electronic equipment

Reference Standard

UL758, UL1581 & CSA C22.2 No.210.2

Construction

Conductor	**Stranded Tinned Copper**
2Cores	**2C**
AWG	22
IEC	Class 6
Construction (mm)	41/0.1
Conductor Dia.(mm)	0.74(Ref.)
Insulation	**PVC(LF)**
Min Thickness (mm)	0.22
Normal Thickness (mm)	0.27
Insulation Dia (±0.10mm)	1.28
Cabling	**2c+Filler**
AL-Mylar shield (overlapping,%)	**≧25**
Braiding shield	**Tinned Copper**
Coverage (%)	≧80
Non woven cloth (overlapping,%)	**≧25**
Jacket	**PU(LF)**
Normal Thickness(mm)	0.67
Min Thickness(mm)	0.84
Diameter (±0.25mm)	4.90

Color

Insulation

1.red 3.yellow

22-0302.007 GRAY

Jacket

Per request B205496490830

Performance

Electrical Characteristics

Max. Conductor DC Resistance (Ω/km)	59.40

Mechanical Characteristics

Test Object			**Jacket**
Test Material			PU(LF)
Before	Tensile Strength (kg/mm^2)		≧1.05
Aging	Elongation (%)		≧100
Aging Condition			113±2℃ X 168hrs
After	Tensile Strength		≧70%of original
Aging	Elongation		≧65%of original
Flame Test			FT2
U type bending test	1m	bending OD: 20cm 20 times/min	>=1000000 times
Bending Radius			10 x OD (Occasional movement)
			5 x OD (Fixed installation)

Sample Record

Sample No. :		
Original spec no.:	SZ-B20549-356	Rev.: 0
Ref. spec No. :	SK-B20549-649	Rev.: 0

Revision History

Prepared by:	LMH	2017/2/27	Table No.:T100	Rev.: 0
Approved by:	ICICHEN	2017/2/27		Page 1 of 1

© 2016 Belden, Inc
All Rights Reserved.
Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.
Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale.