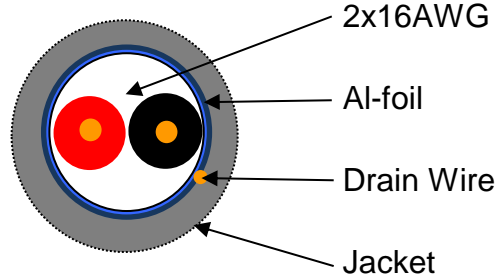


ALPHANET

APN-216F, Alphanet 16 AWG audio/control 1-pair, Foil-shield, PVC

Cross Section



Description

Rated Temperature (°C)	70
Application	For Security & Alarm System, Analog Audio Transmission, Not for main power Line;

Performance

Electrical Characteristics:	
Conductor DCR @ 20°C (ohm/km)	≤ 16.70
Max. Operating Voltage (V)	300
Dielectric Strength (kV/min)	1.0

Construction

Conductor	Strand Bare Copper
AWG	16
Diameter (mm)	40/0.20
Insulation	PE
Nom. Thickness (mm)	0.30
Insulation Diameter (mm)	2.00
Cabling	2 Cores

Reference Standard

BS EN 60228
BS EN 50290-23
BS EN 50290-22
RoHS Directives
IEC60332-1

Mechanical Characteristics

Shield		Test Object	Jacket
Al-foil	Al-foil	Test Material	PVC
Coverage Area (%)	100	Before Tensile Strength (Mpa)	≥ 10.0
Drain Wire	Tinned Copper	Aging Elongation (%)	≥ 150
Construction (mm)	7/0.20mm	Aging Condition (°C X hrs)	80x168
Jacket	PVC	After Tensile Strength (Mpa)	≥ 80% unaged
Nom. Thickness (mm)	0.60	Aging Elongation (%)	≥ 80% unaged
Min. Thickness (mm)	0.41	Cold Bend (-15°C X 4hrs)	No crack
Cable Diameter (mm)	5.30±0.20	Jacket impact test (-15°C)	No crack
		Jacket Longitudinal Shrinkage (%)	≤ 5

Ordering Information

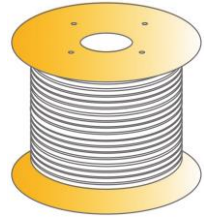
Part No.	Color
APN216F-01	Brown
APN216F-02	Red

Package

305m (1000ft)/Reel
Box: 300x130x230mm
N.W.: 13.50kgs

APN216F-03	Orange
APN216F-04	Yellow
APN216F-05	Green
APN216F-06	Blue
APN216F-07	Purple
APN216F-08	Grey
APN216F-09	White
APN216F-10	Black

G.W.:	14.50kgs
Stack:	8



History

Update and Revision: Revision Number: 0.36 Revision Date: 04-08-2022

© 2022 Alphanet.

All Rights Reserved.

Although Alphanet makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.