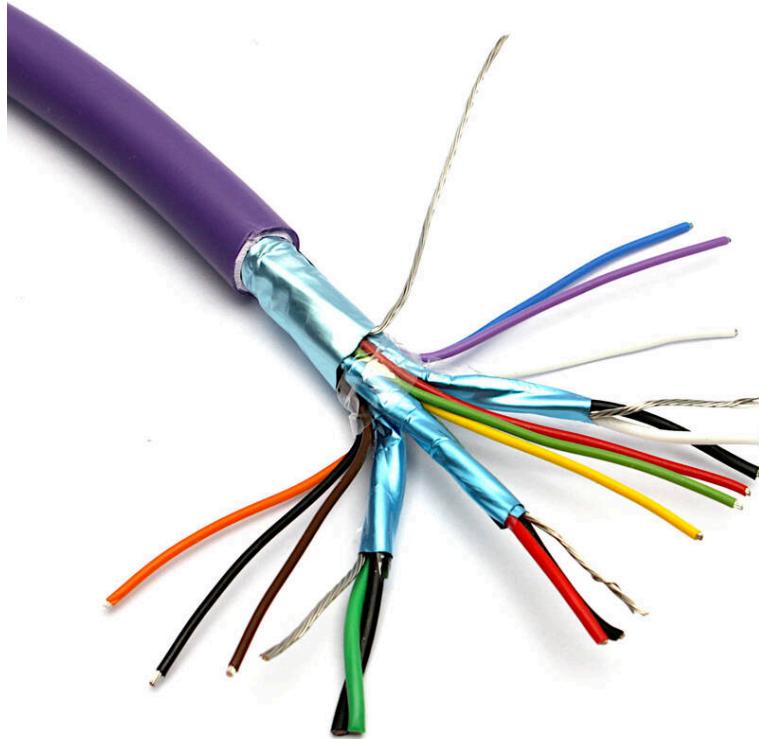


Part Number: AR-22G3P9C-250



Key Features

- Exit button, mag locks, door contacts
- Cca Euroclass LSZH cable
- 22 AWG with one pair at 20 AWG
- Voltage rating 300 V max
- 9 core 3 pair overall foil cable
- CIBSE TM65 Embodied Carbon: 212.105 kg CO₂e
- Temperature rating -20 °C to 70 °C

Overview

Aura 22 AWG 9 core 3 pair multicore multipair shielded control cable LSZH Cca class with 3 individually shielded pairs, one sized at 20 AWG. This highly advanced access control multipair multicore cable has been especially developed for access control systems.

Featuring 3 individually shielded pairs with drain wires and 9 other multicolor cores, the overall cable is foil shielded and protected with a mylar wrap. Each core and pair is 22 AWG with one black and green pair being sized at 20 AWG. Rated at 300 V and Cca Euroclass with an overall diameter of 9.5 mm.

Product Specifications

Feature	Values
Conductor material	Copper
Conductor surface	Tinned
Diameter of conductor	T0.25±0.008×7, T0.32±0.008×7
AWG size	20, 22
Total number of cores	9
Core identification	, Brown
Overall screening	Foil
Outer sheath material	LSZH
Outer sheath colour	Purple
Cable geometry	Round
Flame retardant according to IEC 60332-1-2	yes
Halogen free (acc. IEC 60754-2)	yes
Reaction-to-fire class according to EN 13501-6	Cca
Smoke development class according to EN 13501-6	s1a
Euro class flaming droplets/particles according to EN 13501-6	d1
Feature	Values

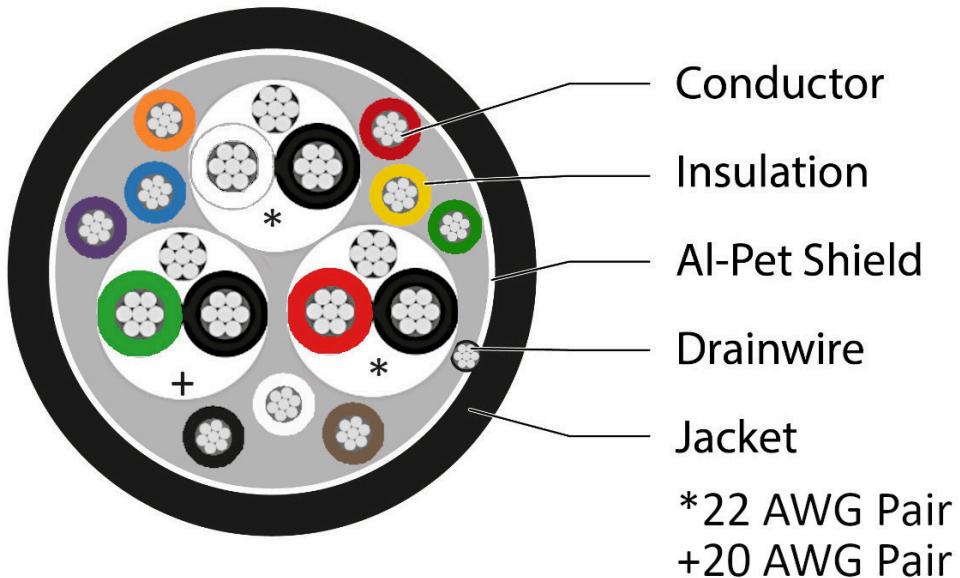
Part Number: AR-22G3P9C-250

Euro class acidity according to EN 13501-6	a1
Outer diameter approx.	9.50mm ± 0.2
Min. permitted bending radius, stationary application/permanent installation	80 mm
Operating Temperature Range	-20...70 °C
Category	Multicore Overall Screened

Additional specifications

Features	Values
Insulation thickness	0.81 mm
Drain wire	TC0.25 ±0.008 x 7, T0.32±0.008×7
Max conductor DC resistance	< 55 Ω/KM @ 20°C, < 33 Ω/KM @ 20°C
Min insulation DC resistance	> 200 MΩ/KM @ 20°C
Number of pairs	3
Conductor to conductor capacitance	52pF/m ±20
Conductor to shield capacitance	118pF/m ±30
Voltage rating	300 max

Product drawing



Standards

Applicable standard	Detail
EN 50399:2011+A1:2016	Common test methods for cables under fire conditions. Heat release and smoke production measurement on cables during flame spread test. Test apparatus, procedures, results.
IEC 60332-1-2:2004 + A12:2020	Tests on electric and optical fibre cables under fire conditions. Test for vertical flame propagation for a single insulated wire or cable. Procedure for 1 kW pre-mixed flame

IEC 60754-2:2014	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 61034-2:2005+A2:2020	Measurement of smoke density of cables burning under defined conditions - Part 2: Test procedure and requirements
EN 50575:2014 + A1:2016	Power, control and communication cables — Cables for general applications in construction works subject to reaction to fire requirements
RoHS	Compliant to the Restriction of Hazardous Substances
WFD	Compliant to Waste Framework Directive
SCIP	Compliant - Does Not Contain Substances of Concern in Products

Partcodes

Partcodes	Description
AR-22G3P9C	aura 22 AWG 9 Core 3 Pair Multicore Shielded Cable LSZH Cca Euroclass x Per Metre
AR-22G3P9C-250	aura 22 AWG 9 Core 3 Pair Multicore Shielded Cable LSZH Cca Euroclass 250 m
AR-22G3P9C-500	aura 22 AWG 9 Core 3 Pair Multicore Shielded Cable LSZH Cca Euroclass 500 m