

Key Features

- Exit button, mag locks, door contacts
- Cca Euroclass LSZH cable
- 22 AWG with one pair at 20 AWG
- Temperature rating -20 °C to 70 °C
- Voltage rating 300 V max
- 9 core 3 pair overall foil cable
- CIBSE TM65 Embodied Carbon: 424.211 kg CO2e

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

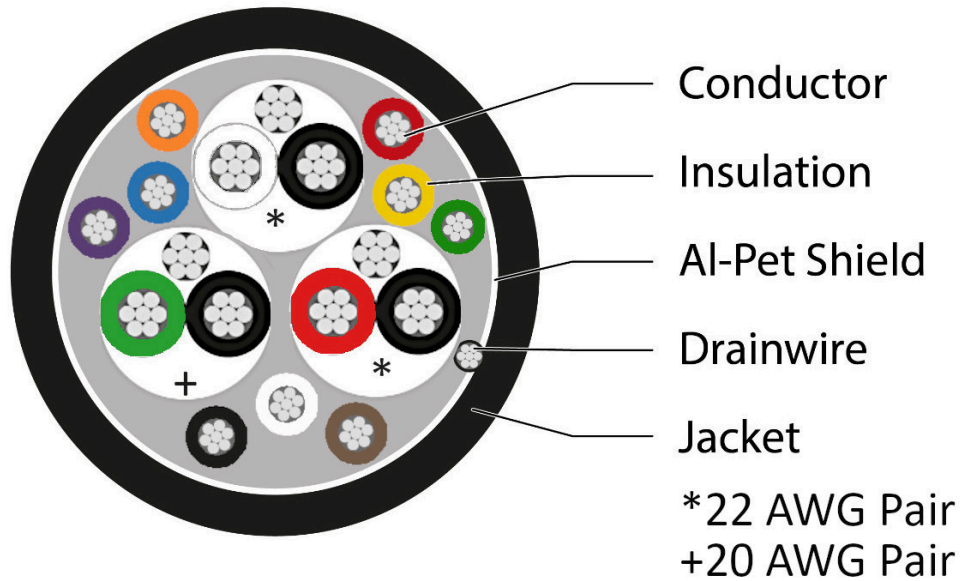
Feature	Values
Conductor material	Copper
Conductor surface	Tinned
Diameter of conductor	T0.25±0.008×7, T0.32±0.008×7
AWG size	20, 22
Total number of cores	9
Core identification	Green, Yellow, Red, Orange, Blue, Purple, Black, White, Brown
Overall screening	Foil
Outer sheath material	LSZH
Outer sheath 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

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±0.008x7
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
Directive 2011/65/EU (RoHS II)	Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — compliant. Applies within EU member states).
Directive (EU) 2015/863 (RoHS III)	Amending Directive 2011/65/EU to add four phthalates (DEHP, BBP, DBP, DIBP) to Annex II — compliant.
Directive 2008/98/EC (WFD)	Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988)
ECHA SCIP Database	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