

Part Number

WAVE CABLE 

WC-OSDP-04-1P22S-2C18N-XX-CCA

22 AWG 1 PAIR & 18 AWG 2 CORE LOW SMOKE ZERO HALOGEN CABLE

Internal Ripcord • Flexible copper conductor cores •
Cca fire rating (CPR)

Version Number
V1.0

Date
03/07/26

CABLE USE CASE

Card Reader OSPD
BIO Reader OSPD

CABLE CONSTRUCTION

1x 22AWG Twisted Shielded Pair
(Data)
1x 18AWG Screened Pair (Power)

INSULATION

22 AWG – Extruded HDPE (High
Density Polyethylene)
18 AWG – Extruded LSZH (Low Smoke
Zero Halogen)

OVERALL SHIELD

Aluminium/polyester foil shield

CORE SEPARATION

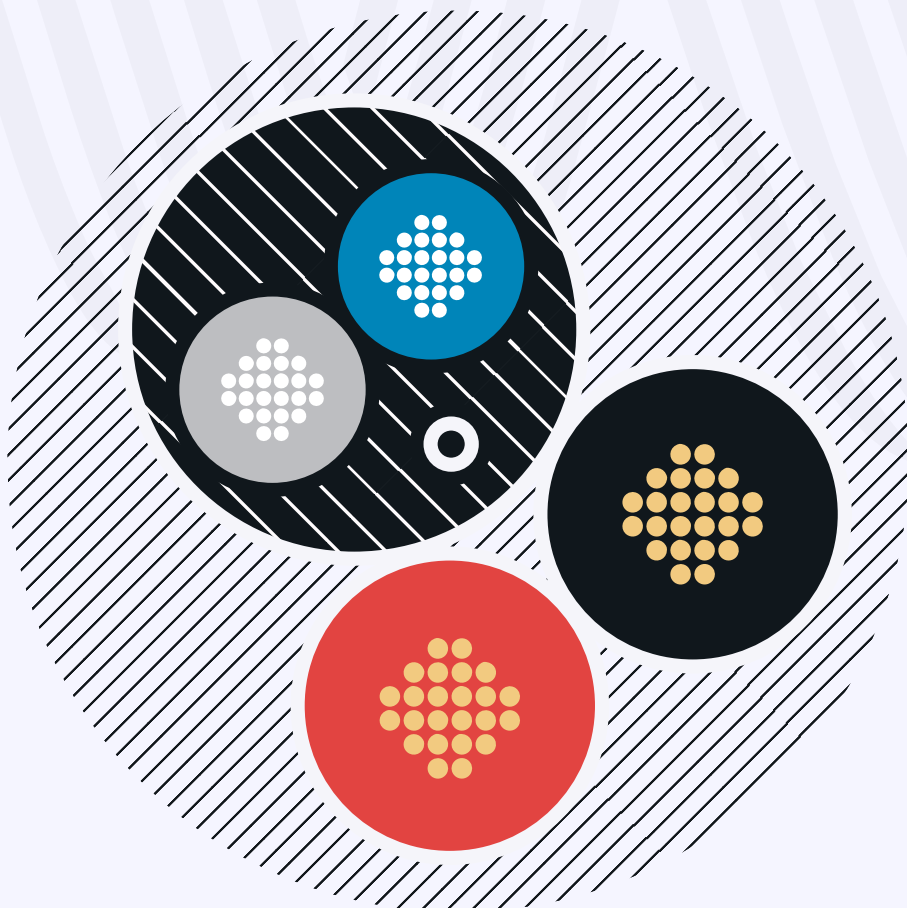
Internal separator tape that
maintains cable structure and
conductor organisation.

RIPCORD

Easy-strip ripcord for quick sheath
removal.

SHEATH

Extruded LSZH (Low Smoke Zero
Halogen)



● Conductor • Collective Screen • Outer Sheath

■ Core • Pair • Ripcord

ELECTRICAL CHARACTERISTICS @20°C

Voltage	300 V
Maximum DC Resistance (22AWG)	59 Ω/km
Maximum DC Resistance (18AWG)	26 Ω/km
Nominal Mutual Capacitance (Pairs)	40 pF/m
Nominal Mutual Capacitance (Cores)	89 pF/m
Impedance (Pairs)	120 Ω

TEMPERATURE

Operating Temperature Range	-25 to 75 °C
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PHYSICAL

Minimum Bend Radius	10 x Ø
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FIRE PERFORMANCE

CPR Classification	Cca
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7.75mm
(To Scale)



WC-OSDP-04-1P22S-2C18N-BK-CCA

INSULATION DIAMETER

22 AWG	2.15 mm
18 AWG	1.72 mm

OUTER SHEATH DIAMETER

7.75 mm

OUTER SHEATH COLOUR

■ Black

Also available in other colours:

WH	YL	VT	OR	GR	BL	BK	RD	GY
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sales@wavecables.com
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