

Part Number

WAVE CABLE 

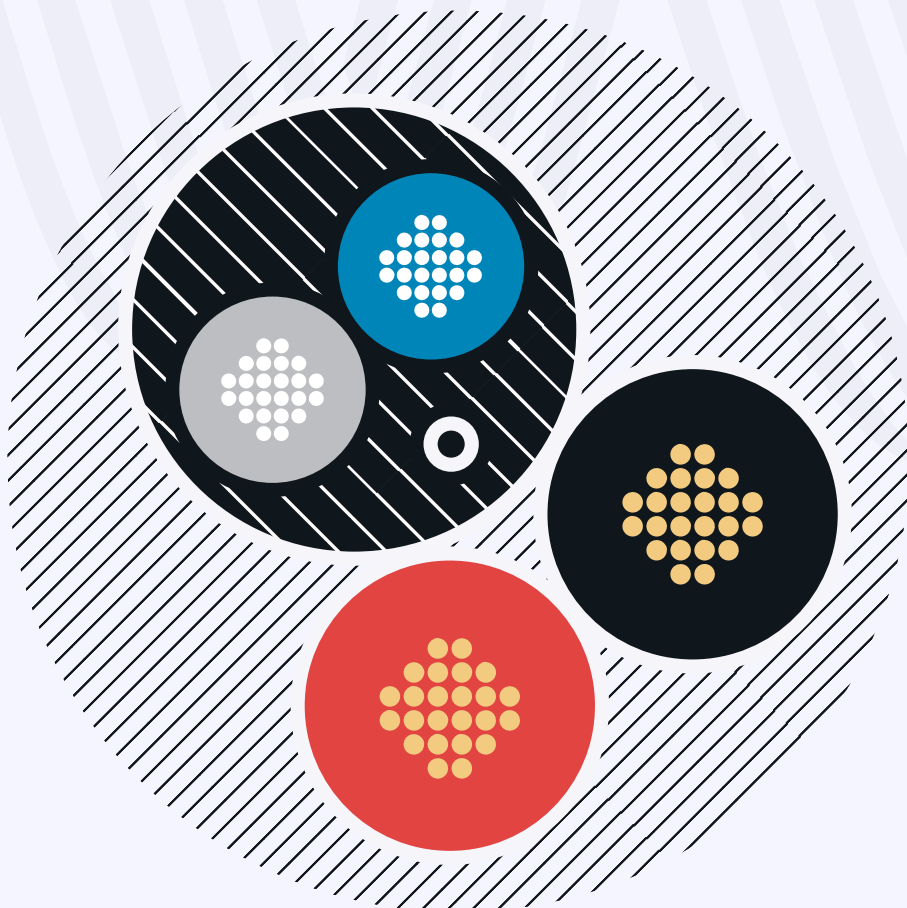
WC-OSDP-04-1P22S-2C18N-XX-B2CA

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

Internal Ripcord • Flexible copper conductor cores •
B2ca fire rating (CPR)

Version Number
V1.0

Date
03/07/26



● 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	B2ca
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7.75mm
(To Scale)



WC-OSDP-04-1P22S-2C18N-BK-B2CA

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)

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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