

ÖLFLEX® 190/190 CY

Extremely Oil-Resistant Flexible Control Cable with UL MTW; Unshielded & Shielded



ÖLFLEX® 190 is a multi-conductor cable with a highly oil-, coolant-, and solvent-resistant PVC jacket for control and power applications in an industrial environment. It is designed for use in all electrical equipment under dry, damp, and wet conditions. ÖLFLEX® 190 CY is a shielded version for EMI and RFI protection.

Unshielded Construction

Conductors: Finely stranded bare copper
Insulation: Specially blended PVC/nylon
Jacket: Specially formulated PVC; gray

Shielded Construction

Conductors: Finely stranded bare copper
Insulation: Specially blended PVC/nylon
Shielding: PVC inner jacket; tinned copper braid (85% coverage)
Jacket: Specially formulated PVC; gray

Recommended Applications

CNC machining centers; grinding machines; bottling equipment; conveyors; processing equipment; assembly lines; control panels

Application Advantage

- Extremely oil-resistant (Oil Res I & II)
- Meets NFPA 79 machinery wiring standard
- Very flexible and number-coded for easy routing and termination
- Round jacket for optimal seal with a SKINTOP® strain relief cable gland
- 20+ years of reliable performance

Approvals



Cable Attributes, see page 659

OR-04	FR-02	FL-02	MP-02
OIL	FLAME	MOTION	MECHANICAL

Similar Cables

- ÖLFLEX® CONTROL TM
- ÖLFLEX® 150 QUATTRO

Complete the Installation

SKINTOP® Strain Relief: page 502	EPIC® Connectors: page 278
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Technical Data

<p>Minimum Bend Radius: - for installation: 4 x cable diameter - shielded: 6 x cable diameter</p> <p>Temperature Range: - for stationary use: -40°C to +90°C - for flexible use: -5°C to +90°C</p> <p>Nominal Voltage: - UL MTW/CSA AWM: 600V - UL AWM: 1000V</p> <p>Test Voltage: 2000V</p> <p>Conductor Stranding: - 20 - 6 AWG: Class 5 fine wire* - 4 AWG and larger: - MTW: Class K fine wire - AWM only: Class 5 fine wire</p>	<p>Color Code: Black with white numbers, plus green/yellow ground</p> <p>Approvals: UL: MTW per UL 1063 (P/Ns with * are not MTW) AWM 2587 & 21098 (Oil) Attributes: UL Oil Res I/II NFPA 79 2012 Canada: CSA AWM I/II A/B FT1 CSA C22.2 210.2 Additional: Passes Impact and Crush tests per UL 1277, excluding 20 AWG CE & RoHS</p>
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* 18 AWG meets only the Class 5 cross section and DC resistance

Photographs are not to scale and are not true representations of the products in question. For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.

ÖLFLEX® 190

Table with 14 columns: Part Number, Number of Conductors (incl. ground), Nominal Outer Diameter (inches/mm), Copper Weight (lbs/mft), Approx. Weight (lbs/mft), SKINTOP® Non-Metallic PG Thread, and a repeating set of these 6 columns. Rows are categorized by AWG (e.g., 20 AWG, 18 AWG, 16 AWG, 14 AWG, 12 AWG, 10 AWG, 8 AWG, 6 AWG, 4 AWG, 2 AWG).

ÖLFLEX® 190 CY

Table with 14 columns: Part Number, Number of Conductors (incl. ground), Nominal Outer Diameter (inches/mm), Copper Weight (lbs/mft), Approx. Weight (lbs/mft), SKINTOP® MS-SC PG Thread, and a repeating set of these 6 columns. Rows are categorized by AWG (e.g., 20 AWG, 18 AWG, 16 AWG, 14 AWG, 12 AWG, 10 AWG, 8 AWG, 6 AWG, 4 AWG, 2 AWG).

* Part numbers are not MTW.

** 2c cable does not include ground.

Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available, please see our SKINTOP® Section. Photographs are not to scale and are not true representations of the products in question. For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.