

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 formulated PVC/nylon
- Jacket:** Specially formulated PVC; gray

Shielded Construction

- Conductors:** Finely stranded bare copper
- Insulation:** Specially formulated 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

Approvals



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

Cable Attributes		page 640	
OIL	OR-04	FLAME	FR-02
MOTION	FL-02	MECH.	MP-02

Complete the Installation	
SKINTOP® Strain Relief page 488	EPIC® Connectors page 280

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 * 18 AWG meets only Class 5 cross section and DC resistance</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 Canada: CSA AWM I/II A/B FT 1 CSA C22.2 210.2 Additional: Passes Impact and Crush tests per UL 1277 (excluding 20 AWG) CE & RoHS</p>
--	---

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

