

Suggested Copy for Lapp Limited in Farnell Catalogue

Olflex® FD 855P

(Farnell: PUR Flexible Cables for Cable Chain Applications)

Application

OLFLEX-FD® 855 P cables are especially high flexible oil resistant control- and supply cables special for use in power chains, automatic manipulators, in permanently moved machine parts, also for long travel lengths and high speeds. They are for use in dry, damp, wet rooms and outside. Usage on motor drum guidance or under a strain of more than 15 N/mm² is not allowed.

OLFLEX-FD® 855 P cables are increased oil resistant and at room temperature generally resistant against acids and caustics solution. The outer sheath of Polyurethane is resistant against high mechanical abuse, particularly to abrasion cuts, microbe-proof and hydrolysis resistant. The used materials are halogen-free.

Design

Conductor	bare copper, superfine wire strand acc. to IEC 60228 (V DE 0295) class 6 Design in support to HD 21.1381 (V DE 0281-13), HD 22.1081 (V DE 0281-10)
Core insulation	TPE (Thermoplastic Elastomer)
Core Identification	in acc. to EN 50334 (V DE 0293), black cores with white numbers with green/yellow ground conductor
Outer sheath	Polyurethane-compound TPU in acc. to HD 22.1081 (V DE 0282-10), additional flame retardant and halogen free

Electrical properties at 20°C

Nominal voltage	300/500 V
Test voltage	3000 V AC
Temp. range	flex. use -40 up to +80° C max.. conductor temperature

Mechanical and thermal properties

Min. bending radius	flex. use 5 x cable diameter
Flame retardant	in acc. to IEC 60332.1 that is V DE 0482 part 265-2-1
Oil resistance	in acc. to V DE 0472 part 803 test method B
Tests	in acc. to VDE 0472 and IEC 811-x.x that is V DE 0473
EC directive	This cable confirms to ECD 73/23/EEC (low voltage directive).