

## DOUBLE INSULATED POWER FLEXES

V90 Insulation to AS/NZS 5000.1:1999

Flexible Cable for Fixed Application



**CONSTRUCTION:** **Conductor:** Plain copper conductor to AS1125  
**Insulation:** V90 to AS/NZS 3808:2000  
**Sheath:** Nitril modified PVC (NBR) to AS/NZS 3808:2000  
**Sheath Colours:** Orange, Red, Blue & Black.

Voltage Rating: 0.6/1KV

Part No.	Number of Strands x wire Ø mm	Nominal Area mm <sup>2</sup>	Average Insulation Thickness mm	Average Sheath Thickness mm	OFHC Max D.C. Resistance at 20° C	Nominal O.D. mm	Mass Kg/100mt
					m Ω/mt		
FLDS010OE5	322/0.20	10	1	1.45	1.88	8.1	16
FLDS016OE5	511/0.20	16	1	1.25	1.21	9.9	23
FLDS025OE5	784/0.20	25	1.2	1.3	0.78	11.7	34
FLDS035OE5	1113/0.20	35	1.2	1.35	0.554	13.1	45.5
FLDS050OE5	1577/0.20	50	1.4	1.4	0.386	15.2	63
FLDS070OE5	2204/0.20	70	1.4	1.5	0.272	17	84.1
FLDS095OE5	3021/0.20	95	1.6	1.6	0.206	19.5	113.4
FLDS120OE5	1672/0.30	120	1.6	1.65	0.161	21.2	138.1
FLDS150OE5	2128/0.30	150	1.8	1.7	0.129	23.3	174.1
FLDS185OE5	2927/0.30	185	2.0	2.0	0.104	25.90	206.1

### Current ratings when used as welding cable

Nominal Area mm <sup>2</sup>	Welding Current Rating (Amps)			
	Maximum duty cycle, percent to AS/NZS 1995			
	100	60	30	25
16	125	160	225	245
25	165	210	300	330
35	205	265	375	410
50	260	335	475	520
70	325	415	590	645
95	390	505	715	780
120	455	585	830	910

**Notes:**

1/ The current ratings are based on a conductor temperature of 90° C and in ambient air temperature of 40° C

2/

Rating factors for other ambient temperatures						
° C	20	25	30	35	40	45
Factor	1.22	1.17	1.11	1.05	1	0.94

