

# DESCAFLEX PA/PVDF-150 MIL-W-81044/12 AWG 30 - AWG 12

Stranded wires PA/PVDF MIL-W-81044/12 150°C 600 V

## Application

Stranded wire with a dual layer insulation in the aerospace and military technology and in other applications, where a reduced weight, reduced diameters and a high flexibility are required.

## Construction

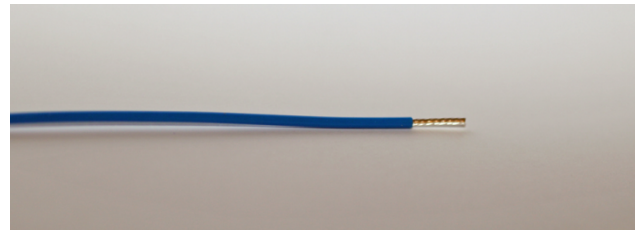
Conductor 7-strands respectively 19-strands (AWG 12 37-strands),  
Tinned copper  
Dual layer insulation cross-linked Polyalkene and cross-linked  
Polyvinylidene Fluoride

## Special features

The stranded wires have an excellent resistance to chemicals, oil and gasoline. The behavior against environmental influences such as ozone, UV radiation, humidity and high temperature fluctuations is excellent. The stranded wires are non-flammable and environmentally neutral.

Cross section AWG	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
30/7	0.68	0.52	1.00
28/7	0.76	0.90	1.50
26/19	0.86	1.40	2.20
24/19	1.02	2.20	3.10
22/19	1.19	3.40	4.30
20/19	1.40	6.00	6.90
18/19	1.65	8.30	10.30
16/19	1.83	13.00	14.50
14/19	2.26	21.00	23.00
12/37	2.74	33.00	36.00

Colour code see next page



## Technical Properties

Operating voltage	600 V
Temperature range	- 60°C ... + 150°C
Minimum bending radius	6 x outer diameter

## Standards / Approvals

MIL-W-810144/12

Packaging	Lengths
Spools	152 m, 305 m or different
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on request

other colours and colour combinations

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AWG	black	blue	gn-ye	brown	grey	red	white	green	orange	violet	yellow	rose
30/7	123420	123421	123422	123423	123424	123426	123427	123428	123429	123430	123431	123432
28/7	123440	123441	123442	123443	123444	123446	123447	123448	123449	123450	123451	123452
26/19	123460	123461	123462	123463	123464	123466	123467	123468	123469	123470	123471	123472
24/19	123480	123481	123482	123483	123484	123486	123487	123488	123489	123490	123491	123492
22/19	123500	123501	123502	123503	123504	123506	123507	123508	123509	123510	123511	123512
20/19	123520	123521	123522	123523	123524	123526	123527	123528	123529	123530	123531	123532
18/19	123540	123541	123542	123543	123544	123546	123547	123548	123549	123550	123551	123552
16/19	123560	123561	123562	123563	123564	123566	123567	123568	123569	123570	123571	123572
14/19	123580	123581	123582	123583	123584	123586	123587	123588	123589	123590	123591	123592
12/37	123600	123601	123602	123603	123604	123606	123607	123608	123609	123610	123611	123612

on request

other colours and colour combinations