OSTRICH - ASTM

conductor data sheet

material (abbreviation):	**ACSR**
identification:	**152/25**
standards:	**ASTM B 232 OSTRICH** valid since: **3 / 2001**

mechanical datas

conductor cross section:	**176,71**	mm^2	max. permissible strain:	-	N /mm^2
relation number of cross sections:	**6**		mean permissible strain (EDS):	-	N /mm^2
conductor diameter:	**17,28**	mm	continious strain:	-	N /mm^2
weight:	**614**	kg / km	thermal elongation coefficient:	**18,9**	10^-6/K
calculated breaking load:	**56,52**	kN	module of elasticity:	**77**	kN /mm^2
cross section related weight of length:	-	N/m*mm^2			

electrical datas

DC-resistance at 20°C :	**0,1906**	Ohm / km
conductivity at 20°C:	**35,38**	m / Ohm*mm^2
calculation factor of resistance:	**0,03928**	
coefficient of temperature:	**0,004**	1 / K
max. continious current load according to Webs: up to 60 Hz by max. permissible conductor temperature ambient temperature 35°C; solar heating 900 W/m^2; wind velocity 0,6 m/s	-	A

datas of construction

number of covering wires:	**26**		number of core wires:	**7**	
diameter of covering wires:	**2,73**	mm	core wires diameter:	**2,12**	mm
number of covering layers:	**2**		core diameter:	**6,36**	mm
covering cross section:	**152**	mm^2	core cross section:	**24,71**	mm^2

additional datas:

angle of max. oscillation: **56,67** °
according to VDE 0210;12/85 up to 200 m fieldlength ; q = 0,53 kN/m^2

max. permissible continious conductor temperature: **80** °C

note : -

S. Tygesen Energi A/s

Leverandør til energi- entreprenør og telesektoren

Strandvangen 33 · 5300 Kerteminde · +45 65 32 43 80 · www.tygesen-energi.dk